Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS

North Carolina—Carolina & Yadkin River Ry.—The extension of its line from High Point to Greensboro, N. C., about 15 miles, is being considered by this company.

Georgia—Bray Lumber Co.—Plans are being considered by this company for the construction of an extension to its logging road from Valdosta to Milltown.

Florida—Atlantic Coast Line R.R.—Surveys have been completed and this company plans to start work soon on the construction of its proposed extension from Sebring to Lake Okeechobee. E. B. Pleasants, Wilmington, N. C., is Ch. Engr. Noted Aug. 13.

Alabama—Pensacola, Mobile & New Orleans Ry.—This company has secured finances for the completion of its line from Loxley to Mobile Bay, Ala. H. McLaughlin, Pensacola, Fla., is Pres.

Mississippi—Dantzler Lumber Co.—Plans are being prepared by this company for the construction of a logging road from Bond, Miss. Uriah Wright, Gulfport, is Engr.

Kentucky—Barbourville & Manchester R.R.—Plans are being made by this company to start work about May 15 on the construction of its proposed railway from Barbourville to Manchester, about 25 miles. C. L. Heidrick, Brooksville, Penn., is making surveys. Noted Apr. 15.

Ohio—Dover, Millersburg & Western Ry.—This company has been incorporated to construct a railway from Canal Dover to Millersburg. T. F. Phillips, Canal Dover, is interested.

Kansas—Salina Northern Ry.—The Public Utility Commission has authorized this company to issue $1,250,000 of stock for the construction of its proposed railway from Salina to Osborne, about 80 miles. Noted Jan. 7.

South Dakota—Huron & Northwestern Ry.—This company has been incorporated to construct a railway from Huron, S. D., through Beadle, Spink, Clark and Day Counties, about 105 miles. The incorporators include F. W. Henderson, Summit, S. D., W. Pelham, Sioux Falls, S. D., C. E. Wolfe, Wahpeton, N. D., and C. B. Adams, Chicago, Ill.

✚**Missouri**—Ozarks Ry.—(Official)—This company has awarded the contract for the completion of its line from Springfield, Mo., to Little Rock, Ark., to the RAILROAD CONSTRUCTION CO., 80 Fifth Ave., New York, N. Y. Noted Feb. 4.

Idaho—Chicago, Milwaukee & St. Paul Ry.—According to press reports this company plans to start work soon on the construction of a tunnel through the Montana-Idaho divide near Wallace, Idaho.

Oregon—Kendall Bros., Pittsburgh, Penn., is interested in the construction of a railroad from Roseburg, Ore., to the timber lands on the Umpqua River, about 30 miles. Noted Aug. 6.

New Brunswick—Kent Coal & Ry. Co.—This company has applied for a charter to construct a railway from Rexton, N. B., to Minto, about 80 miles; also from Rexton to Richibucto Head. Inches & Hazen, Fredricton, N. B., is interested.

Alberta—Athabaska & Ft. Vermilion Ry.—This company has been incorporated to construct a railway from Athabaska to Trout Lakes and Ft. Vermilion, about 300 miles. J. M. Kernan, J. V. Rawle and J. Dalganeau, Athabaska, S. Clark, Ft. Vermilion, and J. Keith, Edmonton, are interested.

Alberta—Smoky Valley & Peace River Ry.—This company is being organized for the construction of a railway from a point near the junction of Solomon Creek and the Athabaska River to the Junction of Sheep Creek and Smoky River and up the Peace River Valley. Short, Woods, Biggar & Collisson, Edmonton, is interested.

ELECTRIC RAILWAYS

Arlington, Mass.—The Bay State St. Ry. Co. has applied to the Council for a franchise to replace its present track on Mystic St. with double tracks from Chestnut St. to Massachusetts Ave. connecting with the elevated line. R. S. Goff, Boston, is Vice-Pres. and Gen. Mgr.

Arlington, Mass.—The Boston Elevated Ry. Co. has applied to the Council for a franchise to double-track its line on Mystic St. to Chestnut St. and in Chestnut St. from Medford to Mystic St., making a loop. Edward Mahler, Boston, is Pur. Agt.

Worcester, Mass.—Plans are being considered by the Worcester Consolidated St. Ry. Co. for the extension of its line on Greenwood St. to the city limits. H. C. Page, Worcester, is Gen. Mgr.

Penn Yan, N. Y.—The Penn Yan & Lake Shore Ry. Co. will soon award contracts for the improvement of its line in Penn Yan. W. J. Tylee, Penn Yan, is Pur. Agt.

Newark, N. J.—The Public Service Ry. Co. has applied to the Board of Chosen Freeholders of Hudson County for permission to construct and operate an electric railway on the Jackson St. Bridge between Newark and Harrison. R. E. Danforth, Newark, is Gen. Mgr.

Irwin, Penn.—The Irwin-Herminie Traction Co. has completed surveys for the extension of its line from Irwin to Manor. F. W. Taylor, Irwin, is Secy. and Pur. Agt.

Sewickley, Penn.—Plans are being prepared by the Pittsburgh Rys. Co. for the extension of its lines through Sewickley. P. N. Jones, Pittsburgh, is Gen. Mgr.

Petersburg, Va.—The Petersburg & James River Ry. Co. and the Petersburg & Appomattox Ry. Co. have applied to the County Commissioners for a franchise to construct an electric railway from Petersburg to City Point, about 10 miles. Noted Apr. 8.

Parkersburg, W. Va.—The Kanawha Valley Traction Co. contemplates the extension of its line from Murdock Ave. in Parkersburg. S. Miller Gallaher, Charleston, W. Va., is Pur. Agt. and Ch. Engr.

Durham, N. C.—The Durham Traction Co. contemplates the extension of its line on Holloway St., for a distance of about one mile. R. L. Lindsay, Durham, is Gen. Mgr. and Pur. Agt.

Goldsboro, N. C.—The Goldsboro Electric Ry. Co. has been incorporated to succeed to Goldsboro St. Ry. Co. and to construct lines in or adjacent to Goldsboro within a radius of 50 miles. The incorporators include G. S. Dewey, Leslie Well and Joseph E. Robinson.

Waycross, Ga.—Preliminary arrangements are being made by the Waycross St. & Suburban Ry. Co. for the extension of its line through the southern section of the city. N. B. Rhoads is Gen. Mgr. and Pur. Agt. Noted Feb. 18.

Oakwood, Ohio—The Spaite-Wright Realty Co. has applied to the Council for a franchise to construct an electric railway in Oakwood for a distance of about two miles.

Rayland, Ohio—The Wheeling Traction Co. is preparing to extend its line to connect Rayland, Dillonvale, Adena and Mt. Pleasant. George O. Nagle, Wheeling, is Vice-Pres. and Gen. Mgr.

Muskegon, Mich.—The Muskegon-Saginaw Electric Co. has started surveys for the construction of its proposed electric railway to connect Muskegon and Saginaw. Clifford S. Gamble, Muskegon, is Engr. Noted Apr. 22.

Rockford, Ill.—The Rockford Southern Ry. Co. has started surveys for the construction of its proposed electric railway from Rockford to Rochelle. The line will be built by the A. C. Linglebach Co., Chicago, Ill. L. Leon de Tissandier, Rockford, is Engr.

Muscatine, Iowa—A. D. Bowen, Muscatine, and William Musser, Iowa City, are interested in the construction of an electric railway to connect Muscatine, Iowa City and West Liberty.

Hutchinson, Kan.—The Arkansas Valley Interurban Ry. Co. contemplates the construction of an electric railway from Hutchinson to Kinsley. Charles D. Bell, Wichita, is Supt.

Lawrence, Kan.—Plans are being considered by the Kansas City, Lawrence & Topeka R.R. Co. for the extension of its line to Lawrence. F. P. Dickson, Gumbel Bldg., Kansas City, Mo., is Pres. and Pur. Agt.

Austin, Tex.—The Austin St. Ry. Co. is considering plans for double-tracking its line to Lake Austin and for extending several of its lines in Austin. Charles Ing, Austin, is Supt.

Vinita, Okla.—The Vinita Ry. Co. is making preliminary arrangements for the construction of an electric railway to connect Vinita, Centralia and Miami. John R. Rose, Vinita, is interested.

✚**Brigham City, Utah**—The Ogden Rapid Transit Co. has awarded the contract for the construction of an extension from Brigham City to Wellsville to the UTAH CONSTRUCTION CO., Ogden. Noted Feb. 4.

Provo, Utah—The Salt Lake & Utah R.R. Co. plans to start work soon on the construction of a line from Provo to Springville, about six miles. R. M. Mitchell, Salt Lake City, is Pur. Agt.

Parker, Ariz.—Surveys have been made by the Parker & Colorado River Electric Ry. Co. for the construction of an electric railway in Parker and vicinity. W. H. Tharpe, Parker, is interested.

Sandy, Ore.—The Portland Ry., Light & Power Co. contemplates the construction of an electric railway from Sandy to Cottrell, about 18 miles. Franklin P. Griffith, Portland, is Pres.

LIGHT, HEAT AND POWER

✚**New York, N. Y.**—(Borough of Manhattan)—Bids were received Apr. 22 by the Board of Health, Dept. of Health, for the plumbing and gasfitting of a medical staff house and nurses' home on the grounds of the Willard Parker Hospital, foot of East 16th St., from: J. J. Kenny, $17,360; James Harley Plumbing Co., $17,747; J. T. KOOP, 23 Lawrence St., Brooklyn, $16,840 (awarded contract); William Young Plumbing Co., $18,150; Joseph B. Brady, $19,800; W. G. Cornell Co., $20,111; George E. Gibson, $25,684; T. E. O'Brien, $17,997; J. S. Murphy, $17,649. Bids for steam heating for the same building were received from: George E. Gibson, $7900; E. H. Larkin, $8000; E. Rutzler Co., $9040; Adam Witz & Co., $7832; William J. Olvany, $9906; Almiral & Co., $9639; Leslie & Tracy Co., $84,87; WALKER & CHAMBERS, 222 East 41st St., New York, $7485 (awarded contract); E. W. Newman, $8650; Peter Keeler Building Co., $9422; Teran, Mahaney & Monroe, $8662; Raisler Heating Co., $7550. Noted Apr. 8.

Clinton, N. J.—Bids will be received until May 10 by the Board of Managers of the Reformatory for Women, 1 Newark St., Hoboken, for the plumbing, heating and electrical wiring of a new reception cottage at the New Jersey State Reformatory for Women, Clinton.

Jersey City, N. J.—The Governor has authorized the Board of Chosen Freeholders of Hudson County to build a power plant at Snake Hill to supply light, heat and power to the county institutions at that place.

Plymouth, N. C.—An election will be held May 4 to vote on the question of issuing $12,000 in bonds, the proceeds of which will be used for the purpose of establishing a municipal electric-light plant.

Statesville, N. C.—Press reports state that the Southern Power Co., Charlotte, plans to construct a transformer station at Statesville. The proposed station will distribute the power from four of the plants of the company, including the Lookout Shoals plant, now in course of construction on the Catawba River, to the substations in the various towns to which the Southern Power Co. furnishes electrical service. Charles I. Burkholder, Charlotte, is Mgr. of the company.

Macon, Ga.—Press reports state that the Central Georgia Power Co., Macon, plans the construction of a new transformer station and transmission system to convey electricity from the Ocmulgee River development via Barnesville to Thomaston. The company is also considering the establishment of a hydro-electric plant on the Flint River, 12 miles from Thomaston. L. A. Magraw, Macon, is Mgr. and Ch. Engr.

Jacksonville, Fla.—It is reported that the Jacksonville Gas Co. will construct a new gas holder on West Church St. The estimated cost is $25,000. Harry B. Hoyt is Pres.

Johnson City, Tenn.—The Washington County Gas Co. has been incorporated with a capital stock of $200,000. It will build a plant in Johnson City, and lay 22 miles of mains for a high pressure gas system. Later, the company plans to extend its lines to Jonesboro and Elizabethton.

Cleveland, Ohio—(Official)—Bids will be received until noon, May 11, by the Commissioner of Purchases and Supplies, Room 511, City Hall, for the sale of used equipment of the municipal electric light department. The equipment includes engines, boilers, generators, etc. C. G. Beckwith is Supt. of Service and Distribution of the Municipal Electric Light Dept.

Cleveland, Ohio—Bids will be received until noon, May 7, by the Commissioner of Purchases and Supplies, 511 City Hall, for rotary converters, transformers and switching equipment, constant current transformers, lamps and glassware for the municipal electric-light department. F. W. Ballard, 1443 East Third St., is Comr. of Heat and Light Dept.

Kent, Ohio—(Official)—Bids will be received until noon, May 15, by the Board of Trustees of the Kent State Normal School for the construction of the power house, coal bin and tunnel connection of the heating plant and equipment for the Normal School. John A. McDowell is Secy., Bd. of Trustees.

Peebles, Ohio—(Official)—Bids will be received until noon, May 3, by G. A. Peterson, Village Clk., for the construction of a municipal electric-light plant. The work includes: A station building, two tubular steam boilers, and boiler-room, steam plant complete, one steam engine, dynamo, switchboard, pole line, wiring, lamp suspension.

Wadsworth, Ohio—It is reported that the City Council will call a special election to submit to the voters the question of purchasing the property of the Wadsworth Light & Water Co. at $87,000.

Brookston, Ind.—The city authorities are considering the installation of an electric-light plant in Brookston. It is reported that energy will be purchased to operate the system.

Ft. Wayne, Ind.—The Board of Works is considering the purchase of a 700-hp. high pressure boiler for the municipal electric-light plant. An addition to the boiler house will probably be built. Frank J. Dix is Supt. of the plant.

Lowell, Mich.—It is reported that the Board of Public Works plans to rebuild the municipal power house, making it fireproof. Frank J. McMahon is Supt.

Ashland, Wis.—Press reports state that the Appleyard interests, which control the local electric company, plan the construction of a new 10,000-kw. hydro-electric plant, for which the location has not yet been selected, and a 5000-kw. steam turbine plant to be located on the lake front at Ashland. Arthur E. Appleyard, Ashland, is Vice-Pres., Mgr. and Cont. Agt. of the Ironwood & Bessemer Ry. & Light Co.

Manitowoc, Wis.—The Board of Education has instructed Earl F. Miller, Arch., to prepare plans and advertise for bids for the construction of a central heating, lighting and power plant for the Manitowoc High School. The estimated cost is $15,000.

Marshfield, Wis.—At a recent special election, the citizens defeated the plan to build a municipal gas plant and distributing system, and voted in favor of granting a franchise to a private company to furnish service to the city. Noted Jan. 14.

Odeboldt, Iowa—The City Council has granted a 20-year franchise to Russell & Fry, Corydon, Iowa, for installing and operating an electric-light plant in Odeboldt. The cost of the plant is estimated at $15,000.

Pomona, Kan.—The citizens have voted in favor of issuing $13,000 in bonds to be used for the installation of a municipal electric-lighting system in Pomona. Energy will probably be purchased from the municipal plant at Ottawa.

✚Pratt, Kan.—The City Commissioners have awarded the contract for the construction of the municipal electric-light plant to the CONNOR CONSTRUCTION CO., Kansas City, Mo., at $47,262. Bids were received Apr. 20. Noted Apr. 1.

Leigh, Neb.—At a recent election the citizens voted to issue $10,000 in bonds for the purpose of constructing a municipal electric-light plant. Bruce & Standeven, Omaha, is Consult. Engr.

St. Louis, Mo.—Press reports state that the recently-elected Board of Aldermen has pledged itself to establish a municipal power plant in St. Louis. It is tentatively estimated that a plant of sufficient capacity to furnish the service now supplied by the Union Electric Light & Power Co. will cost about $6,000,000. M. R. H. Witter is City Engr. Noted Apr. 22.

Urich, Mo.—At a recent election the citizens voted in favor of granting the Urich Electric Light & Power Co. a franchise to install and operate an electric-light plant in Urich. H. Busse is interested. Noted Apr. 15.

Ellensburg, Wash.—The lowest bid received for the construction of an addition to the municipal power building was that of J. A. McEachern & Co., Colman Bldg., Seattle, at $28,420; the lowest bid for the installation of a steam turbine was from the Halliday Machinery Co. at $14,275.. E. L. Butler is Mgr. and Supt. of the municipal electric plant. Noted Feb. 25 and Apr. 1.

Exeter, Ont.—The Town Council is having plans prepared for the installation of a new hydro-electric system. The estimated cost is $30,000. A distribution system to supply energy to neighboring towns is also planned. T. B. Carling is Town Clk.

St. Mary's, Ont.—It is reported that the Water, Light and Heat Commission has petitioned the Town Council for an appropriation of $12,500 to be used for installing a new street-lighting system and the purchase of a gasoline engine for the municipal power plant.

BRIDGES

Lowell, Mass.—It is reported that plans have been completed by Stephen Kearney, City Engr., for a new bridge at Pawtucket Falls. The estimated cost is $80,000. The plans are now before the City Council for approval.

Worcester, Mass.—It is reported that the State Legislature has passed the bill authorizing the construction of a bridge over Lake Quinsigamond, at a cost not to exceed $250,000. Noted Oct. 30, 1913, and Feb. 5, 1914.

Hartford, Conn.—It is reported that an appropriation of $35,000 has been made for rebuilding the Capitol Ave. Bridge across the Park River. Roscoe N. Clark is City Engr. Noted Jan. 28.

✚New Brunswick, N. J.—(Official)—The Board of Chosen Freeholders of Middlesex County has awarded the contract for the construction of a concrete slab bridge over Green Brook at Madison Ave., Dunellen, to the EAST JERSEY CONTRACTING CO., Perth Amboy, at $5936. Noted Apr. 15.

✚Pittsburgh, Penn.—(Official)—The Board of Commissioners of Allegheny County has awarded the contract for placing wood block floors in a number of bridges to the FARRIS BRIDGE CO., Jenkins Arcade Bldg., Pittsburgh, at $12,750. Hyatt M. Cribbs is County Controller. Noted Apr. 15.

Washington, Penn.—(Official)—See item under "Streets and Roads."

Easton, Md.—(Official)—The lowest bid received by the Commissioners of Talbot County for the construction of the Leeds Creek Bridge on the Tunis Mills Rd. was that of August Coster, 617 Low Bldg., Norfolk, Va., at $17,973. F. W. Seth is County Engr. Noted Apr. 8.

✚Richmond, Va.—The Administrative Board has awarded the contract for repairing eight of the old spans of the Ninth St. Bridge across the James River to the VIRGINIA BRIDGE & IRON CO., Roanoke, at $17,760.

Elkins, W. Va.—Bids will be received until May 4 by Thaddeus Pritt, Clk. of Randolph County, for the construction of seven county bridges. Noted Jan. 28 and Mar. 25.

★Rome, Ga.—(Official)—Bids will be received until noon, May 21, by the Board of Commissioners of Roads and Revenue of Floyd County for the construction of the following bridges in the City of Rome: Second Ave. Bridge, about 376 ft. long; Broad St. Bridge, about 407 ft. long; Fifth Ave. Bridge, about 367 ft. long with a movable span of 100 ft. The first two will be of reinforced concrete, while the last will be a steel truss on concrete substructure. W. C. Spiker, Hurt Bldg., Atlanta, is Consult. Engr. Kieffer Lindsey, Rome, is County Engr. J. G. Pollock is Chn. of Comrs. Noted Dec. 3, Jan. 14 and 28, Apr. 8.

✚Goshen, Ala.—(Official)—The Board of Commissioners of Pike County, Troy, has awarded the contract for the construction of a reinforced-concrete bridge over the Conecuh River near Goshen to SCRUGGS & ARD, Birmingham, at $14,333. Noted Apr. 1.

✚Sunflower, Miss.—A contract for the construction of a steel bridge across the Sunflower River has been awarded to the LARIMER & BURGET BRIDGE CO., Memphis, Tenn., at about $20,000.

Memphis, Tenn.—The Public Service Commission of Missouri, Jefferson City, has granted permission to the Memphis Ry. Bridge & Terminal Co. to issue $7,500,000 in bonds for the purpose of building a bridge over the Mississippi River at Memphis. The bridge is to be built by the St. Louis, Iron Mountain & Southern, the St. Louis Southwestern and the Chicago, Rock Island & Pacific Ry., acting through the terminal company.

✚Akron, Ohio—(Official)—The Board of Commissioners of Summit County has awarded the contract for paving the concrete bridge on the North Howard St. extension between Akron and Cuyahoga Falls to WILLIAM J. YOCKEY, South Akron, at $5143. There were four other bidders. E. M. Paul is County Engr. Noted Apr. 15.

Alliance, Ohio—(Official)—Bids will be received until 10 a.m., May 7, by the Board of Commissioners of Stark County, Canton, for the construction of an extension to Ryan Run Culvert in Lexington Township, Alliance. C. L. Stoner, Canton, is Clk. of Comrs.

Canton, Ohio—(Official)—The Board of Commissioners of Stark County has given notice of its intention to build a new girder bridge over Nimishillen Creek at Eighth St., N. E., Canton, and also to rebuild the bridge over Nimishillen Creek at Tuscarawas St., W., Canton. C. L. Stoner is Clk. of Comrs.

Cincinnati, Ohio—It is reported that the Board of Commissioners of Hamilton County is considering the construction of a new bridge over Mill Creek on the Springfield Pike. The estimated cost is $75,000. Fred E. Wesselman is Pres. Bd. of Comrs.

Cincinnati, Ohio—The Ohio Legislature has authorized the Southern Ry. to issue bonds for the purpose of rebuilding its bridge across the Ohio River between Cincinnati and Ludlow, Ky. It is reported that the residents and manufacturers on both sides of the river are promoting a plan to make it a street-car, wagon and pedestrian bridge as well as a double-track railway bridge. B. Herman, Washington, D. C., is Ch. Engr. of the Southern Ry.

Cleveland, Ohio—(Official)—Bids will be received until 11 a.m., May 5, by the Board of Commissioners of Cuyahoga County for the construction of a bridge, Report No. 3507. E. G. Krause is Clk. of Comrs.

Columbus, Ohio—Bids will be received until 2 p.m., Apr. 30, by Clinton Cowen, State Highway Comr., for bridge and culvert work in Ashland, Champaign, Defiance, Erie, Fulton, Greene, Harrison, Highland, Knox, Medina, Monroe, Paulding, Perry, Portage, Richland, Ross, Stark, Summit and Trumbull Counties.

Dayton, Ohio—(Official)—Bids will be received until 10 a.m., May 7, by the Board of Commissioners of Montgomery County for the construction of Bridge No. 64 over the Mad River, Mad River Township, and Bridge No. 74 over the Great Miami River at Johnsons Station, Wayne Township. Both bridges will replace structures destroyed by the floods of March, 1913. Walter H. Aszling is Clk. of Comrs.

Marietta, Ohio—(Official)—Bids will be received until 1 p.m., May 18, by the Board of Commissioners of Washington County for the construction of the following bridges: Bridge over the West Fork of Duck Creek near Warner; bridge over Indian Run near Marietta; bridge over Straight Run in Adams Township; bridge over Bear Creek in Adams Township, and the Wooster Bridge in Belpre Township. Walter B. Alexander is County Audr.

✝Lexington, Ohio—(Official)—The Board of Commissioners of Perry County has awarded the contract for the substructure of a bridge over Jonathan Creek at Glenford, Hopewell Township, to E. L. PAUL, Zanesville. Noted Apr. 15.

Steubenville, Ohio—It is reported that the Commissioners of Jefferson County will appropriate $18,000 for building nine new bridges in the county, and repairing several others.

Struthers, Ohio—(Official)—Bids will be received until 10 a.m., May 10, by the Board of Commissioners of Mahoning County, Youngstown, for the construction of a 70-ft. reinforced-concrete bridge over Yellow Creek at Struthers. Frank H. Vogan, Youngstown, is Clk. of Comrs.

Corydon, Ind.—Bids will be received until 2 p.m., May 5, by the Board of Commissioners of Harrison County for the construction of a 100-ft. bridge across Indian Creek on the Corydon and New Albany Rd. J. L. O'Bannon is County Audr.

East Chicago, Ind.—Bids will be received until 1 p.m., May 14, by Edward Simon, Audr. of Lake County, Crown Point, for the construction of a Strauss type trunnion bascule bridge over the canal at 155th St., East Chicago. Noted Sept. 24, 1914.

✝Muncie, Ind.—(Official)—The Board of Commissioners of Delaware County has awarded the contract for the construction of three bridges in Salem Township and one in Township 20 to the INDIANA BRIDGE CO., Muncie. Noted Apr. 15.

✝Bloomington, Ill.—(Official)—The Highway Commission of McLean County has awarded contracts for a steel bridge in West Township, and a concrete bridge in Empire Township to the PORTER-McCULLY CONSTRUCTION CO., Mackinaw, and WALESBY & GAMMIE, Chicago, respectively. R. O. Edwards is County Supt. of Highways. Noted Apr. 15.

De Pere, Wis.—The City Clerk will shortly advertise for bids for rebuilding the Main St. Bridge over the Fox River in De Pere. The estimated cost of the work is $21,000. J. Steckart is Mayor. Noted Mar. 25.

Des Moines, Iowa—Press reports state that the City Council has decided to build a bridge over Four-Mile Creek to cost not less than $10,000, and will build other necessary bridges from Easton Blvd. to Douglas Ave. F. N. Carrs is City Engr.

Marshalltown, Iowa—It is reported that the Chicago & Northwestern Ry. will shortly ask for bids for the construction of an 1100-ft. viaduct over its tracks at Third Ave.

Montezuma, Iowa—The Board of Supervisors of Poweshiek County has passed a resolution of necessity for the construction of 17 concrete bridges and culverts in the county. W. C. McKee is County Audr.

Manhattan, Kan.—Bids will be received until noon, May 20, by George H. Hungerford, County Clk. of Riley County, for the construction of county bridges.

Marysville, Kan.—(Official)—Bids will be received until noon, May 11, by the Board of Commissioners of Marshall County for the construction of the following reinforced-concrete bridges: One 110-ft. span in Rock Township; two bridges, each a 25-ft. span, in Herkimer Township; one 50-ft. span in Murray Township. A. J. Harvey is County Clk.

Olathe, Kan.—Bids will be received until May 4 by the Commissioners of Johnson County for the construction of four concrete bridges in Shawnee Township. W. Moore is County Clk.

Topeka, Kan.—The Board of Public Works is receiving bids for the construction of a new bridge over the Fallkill at North White St. The structure will be of reinforced concrete. A. R. Young is City Engr.

Beatrice, Neb.—Bids will be received until noon, May 11, by J. C. Penrod, County Clk. of Gage County, for the construction and repair of all county bridges as ordered by the Board of County Supervisors during the year.

Nebraska City, Neb.—Bids will be received until noon, May 20, by Louis Stutt, Clk. of Otoe County, for all county bridge work for the year. Noted Feb. 11.

North Platte, Neb.—(Official)—Bids will be received until noon, May 21, by C. W. Yost, County Clk. of Lincoln County, for the construction of a bridge over the North Platte River about two miles east of the Town of North Platte. Bids will be accepted for either a reinforced-concrete structure or a low truss steel bridge. Press reports state that the Canton Bridge Co., Canton, Ohio, refused to sign the contract awarded to it for the construction of this bridge from bids received Mar. 17. Noted July 23 and Sept. 24, 1914; Feb. 18 and Apr. 15.

Medora, N. D.—It is reported that plans have been prepared by Jay W. Bliss, Bismarck, State Engr., for the construction of a bridge over the Little Missouri River at Medora. The estimated cost is $17,805.

✝Columbus, Mont.—The Board of Commissioners of Stillwater County has awarded the contract for the construction of five reinforced-concrete bridges to the SECURITY BRIDGE CO., Billings, at $12,376. Bids were received Apr. 12. Noted Mar. 25.

Kahoka, Mo.—It is reported that bids will be received until May 5 by the Commissioners of Clark County for the construction of seven concrete bridges. A. E. Ostrich is County Engr.

✝Robert Lee, Tex.—The Commissioners Court of Coke County has awarded the contract for the construction of two steel bridges on reinforced-concrete piers to the MISSOURI BRIDGE & IRON CO., Fulton Bldg., St. Louis, Mo., at $8770. S. B. Kemp is County Judge. Noted Mar. 25.

Chickasha, Okla.—The Commissioners of Grady County, Chickasha, and of Canadian County, El Reno, are reported to be planning to build a 1700-ft. bridge across the Canadian River. The estimated cost is from $30,000 to $35,000.

Tulsa, Okla.—At an election held Apr. 12, the citizens of Tulsa County voted in favor of a bond issue of $200,000 for the purpose of building a bridge over the Arkansas River. Lewis Cline is County Clk. Noted Apr. 1.

Watonga, Okla.—(Official)—Bids will be received until 10 a.m., May 6, by J. F. Williams, County Clk. of Blaine County, for the construction of a bridge in Lawton Township.

Acme, N. M.—(Official)—We are advised by R. T. Ballard, Clk. of Chaves County, Roswell, that no report concerning a bridge over the Pecos River near Acme has yet been rendered by the County Engineer. As soon as this report is made, the County Commissioners will probably advertise for bids for the construction of the bridge. The estimated cost is $12,000. Noted Apr. 15.

Salt Lake City, Utah—(Official)—Bids will be received until 10 a.m., May 8, by R. E. L. Collier, County Surv. of Salt Lake County, for the construction of a pile bridge across the Jordan River.

✝Hoquiam, Wash.—(Official)—Bids were received Apr. 7 by J. H. Neef, Comr. of Pub. Wks., for repairs to the Eighth St. Bridge as follows, alternate plans (a) and (b): Weymouth Construction Co., Spokane, (a) $9750, (b) $9950; Shepherd, Cressman & Co., Seattle, (a) $7532; (b) $7847; O. J. Klawitter, Seattle, (a) $7207, (b) $7807; McCREARY & WILLARD, Spokane, (a) $6852, (b) $7502 (awarded contract). A fixed estimate of $700 was added to each bid. Noted Mar. 25 and Apr. 22.

Okanogan, Wash.—It is reported that the City Commissioners and the Board of Commissioners of Okanogan County, Conconully, have agreed to share the cost of a steel bridge to be built in the City of Okanogan. Plans will be prepared by J. W. Bowerman, of Bowerman & McCloy, Mutual Life Bldg., Seattle.

Seattle, Wash.—Bids were received by the Board of Public Works for the construction of a bridge over the Duwamish Waterway at Eighth Ave. S., as follows: J. A. McEachern Co., Colman Bldg., $26,860; J. R. Wood, 621 Valley St., $27,443; Jahn Contracting Co., Pioneer Bldg., $27,485; Manhattan Construction Co., Central Bldg., $28,537; Weymouth Construction Co., $29,976; P. Manson, $35,191. All bidders of Seattle. Noted Nov. 12, Mar. 11 and Apr. 15.

Spokane, Wash.—It is reported that plans are being prepared by Morton Macartney, City Engr., for replacing the present wooden approach to the south end of the Monroe St. Bridge with one of reinforced-concrete.

Tacoma, Wash.—It is reported that the Chicago, Milwaukee & St. Paul Ry. has been requested by the City Commissioners to build a bridge over Bay St. without supports in the middle of the street, which the present bridge has. The estimated cost of such a structure is from $75,000 to $100,000.

Wenatchee, Wash.—(Official)—We are advised by F. A. Warren, County Engr. of Chelan County, that, because of a lack of sufficient funds, the construction of the Wenatchee River Bridge has been postponed until 1916. The estimated cost is $35,000. Noted Mar. 25.

Portland, Ore.—Bids will be received until 10 a.m., May 3, by the Commissioners of Multnomah County for the construction of a reinforced-concrete viaduct on the Columbia Highway, near Eagle Creek. It will require 260 cu.yd. concrete in superstructure, 52 cu.yd. in substructure, and 105,000 lb. reinforcing steel. Plans on file with the County Roadmaster, 502 Court House, Portland, and with the State Highway Commission, Salem.

Auburn, Calif.—(Official)—Bids will be received until 10 a.m., May 4, by Marshall Z. Lowell, Clk. of Bd. of Supvrs. of Placer County, for the construction of a reinforced-concrete bridge over the Bear River near Sheridan, on the California State Highway.

Hanford, Calif.—The Board of Supervisors of Kings County has rejected all bids received Apr. 7 for the construction of a reinforced-concrete bridge over Cross Creek. New bids will be received. The estimated cost is $5500. B. E. Duffield is County Surv. Noted Apr. 1.

Martinez, Calif.—It is reported that the Board of Supervisors of Contra Costa County has adapted plans for the construction of a 542-ft. bridge over the Middle River connecting Contra Costa and San Joaquin Counties. The estimated cost is $120,000.

Redding, Calif.—Press reports state that the Supervisors of Shasta County have decided to build 18 new bridges this year along the line of the State Highway in the county. The estimated total cost is $200,000, and the bridges will aggregate 3650 ft. in length.

Sacramento, Calif.—Bids will be received until May 3 by E. F. Pfund, Clk. of Sacramento County, and G. G. Halliday, Clk. of Solano County, Fairfield, for the construction of a road trestle on Wood Island in the Sacramento River.

Santa Barbara, Calif.—(Official)—The City Trustees will shortly call for bids for the construction of a bridge on Carrillo St. over Mission Creek. It will cost about $20,000. A. B. Cook is City Engr.

Bathurst, N. B.—Bids will be received until May 5 by the Minister of Public Works, Fredericton, for the construction of the Brown's Dam Mill Bridge over the Tete-a-Gauche River. It will consist of concrete abutments and pedestals, stone embankment, four steel spans and three steel trestle tower piers. A. R. Wetmore, Fredericton, is Engr.

WATER SUPPLY—IRRIGATION

✚Boston, Mass.—The contract for assembling hydrants and valves has been awarded to the COFFIN VALVE CO., at $7450. D. Frank Doherty is Supt. of Supply Dept.

Warren, Mass.—A bill, authorizing the construction of a water system, has been signed by the Governor. Noted Nov. 5 and Mar. 4.

Providence, R. I.—(Official)—It is stated that a dam will be constructed at Kent in connection with the increased water supply. A gravity pipe line will be constructed from the north branch of the Pawtuxet River to Providence. Joseph H. Gainer is Mayor and B. Thomas Potter is Chn. of Com. on Increased Water Supply. Noted Feb. 19, 1914.

★Hartford, Conn.—(Official)—Bids will be received until 3 p.m., May 17, by the Board of Water Commissioners, for the construction of a gravel surface road north of Nepaug reservoir under Contract No. 8. Noted Apr. 8. C. M. Saville is Ch. Engr.

Brocton, N. Y.—(Official)—We have been advised about the city will make extensions to the water system by city forces. H. M. Fleming is Clk. Noted Apr. 1 and 22.

★Gilbertsville, N. Y.—(Official)—Bids will be received until May 6 by E. M. Holden, Village Clk., for constructing a storage dam, reservoir and filtration plant. The estimated cost is $18,00. Charles E. Perry is Engr. Noted Apr. 22.

✚New York, N. Y.—(Borough of the Bronx)—(Official)—The contract has been awarded to KNIGHT & DI MICCO, at $16,314, for laying water mains in various streets. Noted Apr. 8 and 22.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 2 p.m., May 5, by William Williams, Comr. of Water Supply, Gas and Electricity, for furnishing c.-i. water pipe, specials and valve box castings, valves and double nozzle fire hydrants.

Camden, N. J.—Bonds for $50,000 have been sold by the Finance Committee of the Council. The proceeds will be used for the improvement of the water stations. Noted Apr. 8.

Jersey City, N. J.—(Official)—Bids will be received until 2 p.m., May 6, by the Board of Commissioners for installing one 42-in. valve and a section of 60-in. steel pipe with cross connection, in Carleton Ave. M. I. Fagen is City Clk.

Newark, N. J.—The Board of Works has authorized the City Council to prepare a formal application to the State Water Commission asking its approval for the acquisition of the Wanaque watersheds for the construction of a reservoir.

✚Perth Amboy, N. J.—The contract has been awarded to the ALLIS-CHALMERS MFG. CO., Milwaukee, Wis., at $32,205, for a 12,000,000-gal. horizontal pumping engine at the municipal water-works. Noted Feb. 18 and Apr. 8.

Trenton, N. J.—The Runyon bill has been passed by the State Legislature, authorizing the issuance of $1,000,000 in bonds, the proceeds of which will be used for the purchase of the Wharton tract in South Jersey for water supply for villages in that section.

Alburtis, Penn.—(Official)—Plans have been approved by the State Department of Health for the extension of the distributing system. A. K. Snyder is Burgess. Noted Feb. 18.

Brockwayville, Penn.—(Official)—Extensions will be made to the distributing system for which plans have been approved by the State Department of Health.

Dauphin, Penn.—(Official)—Plans have been approved by the State Department of Health for the installation of a settling basin with a temporary liquid chlorine disinfection.

Gallitzin, Penn.—(Official)—The State Department of Health has approved plans for the construction of a distributing system and a storage reservoir. Noted Feb. 10 and Jan. 21.

Hazleton, Penn.—(Official)—The Wyoming Valley Water Supply Co. has had plans approved by the State Department of Health for the construction of storage reservoirs.

Johnstown, Penn.—(Official)—Plans have been approved by the State Department of Health for pumping equipment and distributing system in East Wheatfield Township, Cambria County.

Malvern, Penn.—(Official)—Plans have been approved by the State Department of Health for a new source of water supply and for extensions to the distributing system.

Mill City, Penn.—(Official)—The Mill City Water Co. will make extensions to its distributing system.

Morgantown, Penn.—(Official)—Extensions will be made to the distributing system of the Pennsburg Water Co. Plans have been approved by the State Department of Health. Noted July 9.

Newmanstown, Penn.—(Official)—The Newmanstown Water Co. will construct gravity pipe lines and a new source of water supply.

Pennsburg, Penn.—(Official)—Extensions will be made to the distributing system of the Pennsburg Water Co. Plans have been approved by the State Department of Health.

Philadelphia, Penn.—(Official)—The Department of Health has approved plans for the construction of a sedimentation basin for the Torresdale filtration plant.

Pittsburgh, Penn.—(Official)—The State Department of Health has approved plans for the extension of the distributing system in Reserve Township, Allegheny County.

Sykesville, Penn.—(Official)—Bids were received Apr. 12 for constructing a water system as follows: Jacob Ferrier, Du Bois, $9600; Curwensville Construction Co., Curwensville, $7739; John T. Minns, Du Bois, $8710; Pittsburgh Construction Co., Pittsburgh, $9600; Horn & Devlin, Galeton, $8718; Fletcher & Russell, Mahaffey, $11,818; Sykesville Construction Co., Sykesville, $15,147; John R. Bennett, Sykesville, $10,910; P. E. McGovern, Punxsutawney, $8036 and M. O. Skinner, Du Bois, $14,537. E. W. Hess & A. L. Bouton, Deposit National Bank Bldg., Du Bois, is Engr. Noted Sept. 24, Nov. 26, 1914 and Apr. 3, 1915.

Baltimore, Md.—(Official)—Bids will be received until May 5 by the Board of Awards for contract No. 41 for furnishing sulphate of iron to the water department.

Baltimore, Md.—The Water Board has been authorized by the Board of Estimate to have specifications prepared for the installation of an electrically driven centrifugal pump at the Eastern pumping station. The estimated cost is $25,000.

East New Market, Md.—The low bidder for the construction of a water system was the E. L. Jones & Co., Dover, Del., at $4994. Bids were opened Apr. 15. Noted Apr. 1.

Galax, Va.—The city will spend $16,000 for the construction of water and sewer systems. D. A. Robertson is Mayor. Noted Apr. 22.

Wheeling, W. Va.—(Official)—An election will be held May 15 to vote on the question of issuing bonds for $640,000. The proceeds will be used for the installation of a Smith slow sand filter system. Charles B. Cooke is City Engr. Noted Mar. 25.

Southern Pines, N. C.—An election will be held May 4 to vote on the question of issuing $20,000 in bonds, part of the proceeds of which will be used for the extension of the water system. H. E. Foss is City Clk.

Warrenton, N. C.—An election will be held May 17 to vote on the question of issuing $50,000 in bonds, the proceeds of which will be used for the construction of water and sewer systems. Gilbert C. White, Charlotte, is Engr. Noted Mar. 18.

Fountain Inn, S. C.—(Official)—Surveys are being made by McCrady Bros. & Cheves, Charleston, for the installation of water and sewer systems.

✚Manning, S. C.—(Official)—The contract has been awarded to WALTON & WAGNER, Atlanta, Ga., at $32,690, for constructing a water system. C. R. Spratt is Chn. Bd. of Pub. Wks. Noted Apr. 1 and 15.

Key West, Fla.—(Official)—All bids received Apr. 17 for water mains, hydrants and valves, have been rejected. Charles J. Curry is Audr. Noted Apr. 1 and 15.

Gadsden, Ala.—The city plans to build a reservoir and replace the steam pumping plant with electricity. W. G. Berrenger is Mayor.

Phenix City, Ala.—(Phoenix post office)—Bonds for $16,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system.

Hammond, La.—The citizens, at a recent meeting, decided to construct water and sewer systems. The estimated cost is $50,000. E. E. June, Hammond, is in charge.

Knoxville, Tenn.—George P. McTeer, City Comr., will install a 100-hp. boiler and a 55-hp. boiler at the filtration plant.

Maryville, Tenn.—Bids will be received until May 10 by W. A. McTeer, City Recdr., for the purchase of $55,000 in bonds, the proceeds of which will be used for the construction of a water system. R. C. Huston, Memphis, is Mgr. Noted Apr. 30, 1914 and Mar. 4 and 25, 1915.

Memphis, Tenn.—Koehler Bros., 68 Camp Ave., Memphis, and the Fowler Construction Co., associated, at $14,162, was low bidder for constructing a reservoir on Bayou Gayoso.

Harrodsburg, Ky.—Improvements will be made to the municipal water system.

Monticello, Ky.—A company is being formed to install a water system at Monticello. W. E. Woodrow, C. C. Duncan and A. E. Shelton are interested.

Shelbyville, Ky.—Announcement has been made by the Kentucky Utilities Co., Lexington, that it will construct a filtration plant in connection with its water system at Shelbyville.

Lorain, Ohio—Bids will soon be received for rebuilding the water-works, the estimated cost of which is $25,000. C. M. Osborne is City Engr.

✚Oxford, Ohio—(Official)—Contracts have been awarded to the BROWNELL CO., Dayton, for boilers, and to PEAK & BAKER, Oxford, for laying pipe at $3120 and $1793 respectively. H. A. Hand is Clk. Noted Apr. 1.

Rocky River, Ohio—(Official)—Bids will be received until noon, May 18, by Frank Mitchell, Clk., for laying water mains in North Ridge and North View Rd. Plans are on file with William H. Evers Engineering Co., The Arcade, Cleveland, Ohio.

★Paris, Ill.—(Official)—Bids will be received until 10 a.m., May 18, by the City Clerk for constructing four earth dams, a diversion channel, a wet well and an intake and two sewers.

Springfield, Ill.—According to press reports bids were received Apr. 12 by the Council for a 750-hp. turbo generator at the Sangamon River as follows: Kerr Turbine Co., Wellsville, N. Y., about $18,695; Ridgeway Dynamo & Engine Co., Chicago, $17,400 and the C. H. Wheeler Mfg. Co., Philadelphia, Penn., $5600 for a condenser.

✚Stronghurst, Ill.—The contract has been awarded to T. H. IGLEHART, The Rookery, Chicago, at $10,373, for the construction of a water system. Noted Oct. 29 and Apr. 8.

Kenosha, Wis.—Bids will soon be received for the construction of a new municipal water-works pumping station and a lake intake, consisting of 10,000 ft. of 48-in. c.-i. pipe. B. C. Brennan is Supt. of Water-Wks. Noted July 2.

✚★**Milwaukee, Wis.**—The Department of Public Works has re-awarded the contract for building approximately 5200 lin.ft. of 9-ft. concrete shore tunnel from the new Linnwood Ave. intake to the North Point pumping station to O'BRIEN & JACKSON, Chicago, Ill., at $255,000. The low bidder, F. H. Nakielski, Milwaukee, who was originally awarded the contract at $34.92 per ft., withdrew because of an error in figuring his bid. Noted Mar. 25 and Apr. 1.

Marcus, Iowa—G. Y. Skeels, Sioux City, has been retained by the city to prepare plans for the extension of the water system. Floyd Barnes is City Clk. Noted Apr. 8.

Pella, Iowa—Bids will be received until May 1 by A. C. Kuyper, City Clk., for extensions to the water system. Noted Jan. 28.

Cottonwood, Minn.—Bids will be received until 8 p.m., May 8, by W. A. Sisson, Village Recdr., for laying 5700 ft. of 4-in. c.-i. water mains.

✚**Duluth, Minn.**—The contract was awarded for the construction of a 1,000,000-gal. reservoir at Woodland to D. H. CLOUGH, Duluth, at $12,985. D. A. Reed is Mgr. Water and Light Dept. Noted Mar. 11 and Apr. 1.

✚**McCune, Kan.**—The contract has been awarded to T. L. GREEN, Pittsburg, Kan., at $5925, for installing a water system. Noted Aug. 13, 1914 and Feb. 25, 1915.

Blair, Neb.—(Official)—Bonds have been voted by the citizens, the proceeds of which will be used for the construction of a water system and electric-light system.

✚**Fordyce, Neb.**—(Official)—The contract has been awarded to the ALAMO CONSTRUCTION CO., Omaha, Neb., at $8319, for constructing a water system. Other bidders were: Public Service Co., $8400; W. L. Bruce, $8899; E. J. Heckle, $8597 and G. L. Hasnik, $8756. L. S. Wise is Village Clk. Noted Oct. 8 and Apr. 8.

Lacreek, S. D.—P. E. Skalinder and others have incorporated the Bennett County Irrigation & Water Co. with $10,000 capital. The company will construct an irrigation system.

✚**Lemmon, S. D.**—(Official)—The contract has been awarded to C. A. INGALLS, Lemmon, at $10,608, for constructing extensions to the water system. C. L. Pillsbury Co. is Consult. Engr. Noted Sept. 3 and Apr. 8.

Sykeston, N. D.—The city plans to construct a water system at an estimated cost of $14,000. Charles L. Smith is City Clk.

✚**Laramie, Wyo.**—The contract for laying about five miles of water mains have been awarded to J. S. SCHWARTZ, Colorado Springs, Colo., at $6410. Noted Feb. 4.

✚**Chillicothe, Mo.**—The contract has been awarded, according to press reports, to F. D. MARTIN, Rialto Bldg., Kansas City, at about $35,000, for constructing a filtration plant. Noted Mar. 11 and Apr. 1.

Fulton, Mo.—(Official)—Bids will be received by the Board of Managers of the Missouri School of the Deaf until 6 p.m., May 11, for the construction of a tunnel and water mains.

Cumby, Tex.—An election will be held to vote on the question of issuing $10,000 in bonds, the proceeds of which will be used for the extension of the water system.

Sugar City, Colo.—(Official)—We have been advised that the town does not contemplate making extensions or rebuilding its water system. J. M. Ballou is Town Clk. Noted Apr. 8.

Brigham, Utah—Surveys are being made for the construction of a reservoir in the Devil's Gate Valley near Brigham.

✚**Ogden, Utah**—(Official)—The contract has been awarded to the GREEN CONSTRUCTION CO., Tooele, at $23,117 for laying Matheson joint pipe. Other bidders were: P. J. Moran Co., Salt Lake City, $26,684; Smith & Spragins, Salt Lake City, $27,844; Lyman & Samuels, Salt Lake City, $30,645; Henser Sim & Vorkink, Salt Lake City, $35,497; Corey, Taylor Construction Co., Ogden, $34,109; J. P. O'Neill Construction Co., Ogden, $35,454 and Wheelwright Construction Co., Ogden, $37,971. Washington Jenkins is City Engr. Bids were opened Apr. 13. Noted Jan. 21, Feb. 11 and Apr. 8.

Ogden, Utah—(Official)—The Portland Wood Pipe Co., Portland, Ore., was low bidder at $18,080, for furnishing 11,300 ft. of 36-in. wood state pipe. Washington Jenkins is City Engr.

✚**Ogden, Utah**—(Official)—The contract has been awarded to GEORGE A. LOWE CO., Ogden, at $49,050, for 1700 ft. of 24-in. Matheson joint pipe. Noted Apr. 8.

Kent, Wash.—(Official)—Bids will be received until May 3 by L. E. Price, City Clk., for laying 1500 ft. of 12-and 16-in. steel pipe and 400 ft. of 12-in. wood pipe. Noted Mar. 25 and Apr. 15.

✚**Hoquiam, Wash.**—The contract has been awarded to the HENRY WORTHINGTON CO., New York, N. Y., at $6126, by the City Council for a Worthington steam pump for the water system.

Riverside, Wash.—Bids will be received until May 4 by W. H. Patterson, Town Clk., for constructing a water system. The estimated cost is $9500. C. H. Green is Engr.

Roslyn, Wash.—According to press reports the citizens voted in favor of issuing $28,000 in bonds, the proceeds of which will be used for the extension of the water system. Noted Feb. 4 and Mar. 18.

North Powder, Ore.—(Official)—We have been advised that no election was held recently for the construction of a water system but one is contemplated in the near future. Noted Apr. 8.

✚**Warrenton, Ore.**—According to press reports the contract has been awarded to the C. H. GREEN CO., Spokane, Wash., at $138,000, for constructing a gravity water system. Noted Dec. 3 and 24 and Mar. 18.

Modesto, Calif.—Bids will be received until May 4 by the Modesto Irrigation District for constructing an earth fill over the Indian Hill gulch, near the La Grange dam.

✚**Modesto, Calif.**—The contract has been awarded to the TIBBETS-PACIFIC CO., San Francisco, at $71,155, for constructing the Rairden and Slater fills on the main canal near La Grange by the Modesto Irrigation District.

✚**Oakdale, Calif.**—The contract has been awarded to J. H. CLARK, Oakdale, at $15,000, for making extensions to the irrigation system controlled by the Oakdale Irrigation District. Noted Nov. 19, 1914, and Feb. 11, 1915.

Palo Alto, Calif.—Bids will be received until May 3 by F. Kasson, City Clk., for laying 19,892 ft. of 6-in. water mains. The estimated cost is $16,500. J. F. Byxbee, Jr., is City Engr.

San Diego, Calif.—According to press reports an election will be held May 4 to vote on the question of issuing $70,000 in bonds, the proceeds of which will be used for the purchase and improvement of the water system of the Fairmount Water Co.

San Francisco, Calif.—The citizens, at a recent election, defeated the bond issue for the purchase of the water system of the Spring Valley Water Co. The California Railroad Commission, which is the Public Utility Commission, will be asked to appraise the system and the question will again be submitted to the voters.

✚**Santa Susana, Calif.**—The contract for constructing a reinforced-concrete reservoir for Tapo Ranch has been awarded to WARDALL & WAGONER, 117 East 47th Ave., Los Angeles, at $4210.

Ottawa, Ont.—L. L. Gisborne, Water-Works Dept., desires catalogs in connection with water-works supplies and machinery.

★**Toronto, Ont.**—(Official)—Bids will be received until noon, May 4, by T. L. Church, Chn. Bd. of Control, for installing water tube boilers at the main pumping station.

SEWERS

Milton, Mass.—Bids will be received until Apr. 30 by the Sewerage Commissioners for the construction of 10,000 lin.ft. of sewers and a pumping station.

Providence, R. I.—Bids will be received until 2:15 p.m., May 3, by William C. Pelkey, City Clk., for constructing sewers.

★**Bridgeport, Conn.**—(Official)—Bids will be received until 8 p.m., May 10, by Bernard Keating, Secy. of Paving and Sewer Comn., for constructing sewers in Seaview and Housatonic Ave.

Greenwich, Conn.—Bids will be received until May 1 by Sheldon E. Minor, Clk. Sewer Comn., for the construction of a sewage-disposal plant. The estimated cost is $180,000. Noted Feb. 25 and Mar. 25.

Batavia, N. Y.—(Official)—Bids will be received until May 5 by I. J. Carmichael, City Clk., for constructing sewers. R. F. Clark is City Engr. Noted Apr. 15.

✚**Buffalo, N. Y.**—The contract for the construction of sewers in Angle, Heath and Newburgh St., in Woodside andDutton and Fillmore Ave. has been awarded to the FAHNING-CAREY CONTRACTING CO. Noted Apr. 1 and Apr. 15.

Buffalo, N. Y.—The city contemplates constructing sewers in South Side Parkway and in Northumberland Ave.

✚**Gloversville, N. Y.**—(Official)—Bids were received Apr. 20 by C. J. Mahoney, City Clk., for constructing 5435 ft. of 20-, 18-, 15- and 12-in. vitrified sewer as follows: JOHN P. DUGAN & CO., Amsterdam, $5811 (awarded contract); A. M. Banker, $6694; A. L. Willey, $8801; John Allen, $9505; Kallam & Schaffer Co., $9790; Clarence Welch, $6989. H. J. Hanmer is City Engr. Noted Apr. 8.

★**Huntington, N. Y.**—(Official)—Bids will be received until 2 p.m., May 14, by the Sewer Commissioners by the construction of a sewer system and sewage-treatment works. George W. Fuller, 170 Broadway, New York, N. Y., is Engr. Noted Dec. 17, Jan. 14 and Apr. 15.

✚**New York, N. Y.**—(Borough of Brooklyn)—The contract for the construction of sanitary sewers in Prospect Park has been awarded to C. F. MENTZINGER'S SON, 356 Broadway, Brooklyn, at $15,022. Noted Mar. 18 and Apr. 8.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received Apr. 21 by L. H. Pounds, Borough Pres., for the construction of sewers (a) in East 32nd St. from Ave. I to Ave. J, (b) in East 27th St. from Ave. N to Kings Highway, (c) in 55th St. from 15th to 17th Ave., (d) for the construction of sewer basins on each side of Ocean Ave. from Ave. J. to Ave. K, and (e) in the southeast corner of Albany Ave. and Eastern Parkway as follows: P. Tomasetti, (a) 66%, (b) 84%, (c) 76.41%, (d) 113%; Maglionia & Minera, (a) 87%, (b) 88%, (c) 90%; T. Lapadula, (a) 73.99%, (c) 77.99%; S. Paconi & Sons, (a) 65%, (b) 70⅛%, (c) 69%, (d) 100%, (e) 105%; Joseph Jennings, (a) 84.59%, (b) 97.37%, (c) 106%; E. Gelardi Contracting Co., (a) 69%, (b) 93%, (c) 79%, (d) 109%, (e) 130%; F. Merrindino, Inc., (a) 80%, (b) 80%, (c) 90%, (d) 105%, (e) 120%; Murphy Bros., (a) 79%, (b) 88%, (c) 78.77%; A. A. Dumproff, (a) 90%, (b) 98%, (c) 95%; B. Paconi & Sons, (a) 65%, (c) 74%, (d) 90%, (e) 125%; D. Donegan Co., (b) 88%, (c) 85%; James H. Holmes & Sons, (c) 91.4%. Noted Apr. 15.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., May 12, by L. H. Pounds, Borough Pres., for constructing sanitary and storm outlet sewers, a main sewer in Ave. V and a sewage-pumping station.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., May 5, by L. H. Pounds, Borough Pres., for the construction of sewers in Ave. H from East 35th St. to Brooklyn Ave.; in East 31st St. from Farragut Rd. to the line of the Flatbush Water Works, and sewer basins at each corner of 31st St. and Foster Ave.; for constructing sewer basins in Flatlands Ave. and for the construction of a sewer in East 35th St.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., May 6, by Douglas Mathewson, Borough Pres., Municipal Bldg., 177th St. and Third Ave., for the construction of sewers and appurtenances in Plimpton Ave., between Boscobel Ave. and Featherbed Lane, in 234th St. between Spuyten Duyvil Rd. and Kingsbridge Ave., in Corlear Ave., in 238th St. between Broadway and Putnam Ave. and in Review Pl.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., May 5, by Maurice E. Connolly, Borough Pres., for the construction of sewers and appurtenances in Canal, Shaw, Snediker and Jamaica Ave. and in Syosset, Unum, and Yarmouth St., Fourth Ward; in Jackson Ave., First Ward; in Guion, Beaufort and Napier Ave., Fourth Ward.

✚**New York, N. Y.**—(Borough of Queens)—The contract has been awarded to JAMES H. JOHNSON for constructing sewers in Britton Ave. from Broadway to Ithaca St. and in Ketcham St. from Britton Ave. to Pettit Pl., Second Ward, at $4387 and $8180. Noted Apr. 8 and Apr. 22.

New York, N. Y.—(Borough of Queens)—The construction of a sewer in Audley St. from St. Anns Ave. to Mayfair Rd. is under consideration.

Oswego, N. Y.—(Official)—Bids will be received until 2 p.m., Apr. 30, by Charles W. Linsley, Comr. of Pub. Wks., for sewer construction. Noted Mar. 18.

✚**Ravena, N. Y.**—Bids were received Apr. 10 by the Board of Village Trustees for constructing five miles of 8-, 10-, and 12-in. vitrified pipe sewers and a sewage treatment plant as follows: KELLAM-SHAFER CO., Schenectady, $16,189, (awarded contract); Amanna & Sullivan, $28,781; Lincoln, Steele, Fleming Co., $28,121; H. W. Golden & Son, $28,635. Noted Dec. 24, Mar. 23 and Apr. 1.

✚**Rochester, N. Y.**—The contract for the construction of the Brighton sewage-disposal plant has been awarded to the R. T. FORD CO., at $68,049. Noted Jan. 21., Feb. 4 and Mar. 25.

Syracuse, N. Y.—It is reported that work will soon be started on the construction of sanitary and storm sewers in the Huntley Tract and in the Fourth Ward. The estimated cost is $112,000. W. T. Wooley is City Engr. Noted Nov. 20.

Hoboken, N. J.—Bids will soon be received by the City Commissioners for the construction of trunk sewers in 11th and 15th St. The estimated cost is $281,552. Noted Sept. 17 and Mar. 25.

Maywood, N. J.—(Official)—An election will be held in June to vote on the question of issuing $25,000 in bonds, the proceeds of which will be used for the construction of a sewer system. Noted Apr. 15.

Monmouth Beach, N. J.—(Long Branch post office)—Bids will be received until Apr. 30 by Jesse W. Potter, Borough Clk., for furnishing 6-, 8-, 10-, and 12-in. No. 1 Ohio deep and wide terra cotta pipe in carload lots.

Newark, N. J.—Bids will be received until May 6 by Morris R. Sherrard, City Engr., for the construction of sewers in Telford and Oration St. and in Fourth Ave. Noted Mar. 25.

✚**Nutley, N. J.**—The Board of Commissioners has awarded the contract to JAMES T. BOYLAN for constructing sanitary sewers in Washington Ave.

★**Palisades Park, N. J.**—(Official)—Bids will be received until 8 p.m., May 11, by Benjamin E. Budds, Mayor, for the construction of a sedimentation tank of the Imhoff type and a sewer system.

Duquesne, Penn.—(Official)—The State Department of Health has approved plans for constructing extensions to the lateral sewers.

✚**Newport, Penn.**—The contract has been awarded to J. W. ENSIGN, Camp Hill, for constructing sewers in Oliver, Second and Fourth St.

Philadelphia, Penn.—(Official)—The State Department of Health has approved plans for the construction of lateral sewers.

Pittsburgh, Penn.—(Official)—The State Department of Health has approved plans for the construction of intercepting sewers.

Wilkes-Barre, Penn.—(Official)—The State Department of Health has approved plans for lateral sewer extensions.

Baltimore, Md.—(Official)—Bids were received Apr. 14 by the Sewerage Commission for constructing sewers in Section 1 of the Gwynn's Falls Interceptor as follows: James Ferry & Sons, $26,817; M. O'Herron & Sons, $27,124; Thomas Hampton, $29,776; Smith & Ruggles, $29,841; Whiting-Turner Construction Co., $30,004; Ryan & Reilly, $32,585; A. T. Carozza & Co., $35,215; John A. Clark, $44,322. Calvin W. Hendrick is Ch. Engr. Noted Apr. 8.

Baltimore, Md.—The city contemplates constructing a sewer system in Anne Arundel County and a sewage-disposal plant. H. K. McCay is City Engr.

Galax, Va.—The city contemplates constructing a sewer system.

✚**Luray, Va.**—The contract for constructing sewers in Jamison and Amiss St. and Blue Ridge Ave. has been awarded to CAMPBELL BROS.

✚**Greensboro, N. C.**—The contract for the construction of a main sewer has been awarded to J. E. ALBRIGHT.

Southern Pines, N. C.—An election will be held May 4 to vote on the question of issuing $20,000 in bonds for extending the sewer system. H. E. Foss is City Clk.

Warrenton, N. C.—An election will be held May 17 to vote on the question of issuing $50,000 in bonds, the proceeds of which will be used for the construction of a sewer system.

Fountain Inn, S. C.—(Official)—See item under "Water Supply-Irrigation."

★**Greenville, S. C.**—(Official)—Bids will soon be received by C. P. Bullenger City Engr., for constructing sewers and paving work. Estimated cost, $200,000.

West Palm Beach, Fla.—Bids will be received until May 7 by A. M. Lopez, City Clk., for the construction of a sewer system. The J. B. McCrary Co., 1408 Third National Bank Bldg., Atlanta, Ga., is Engr.

✚**Ella, Ala.**—The contract for the construction of sewers has been awarded to SULLIVAN, LONG & HAGGERTY, Bessemer, at $9709.

Mobile, Ala.—The city contemplates constructing a trunk line sewer in the Camp Ground District and in Fisher tract. Wright Smith is City Engr.

Northport, Ala.—An election will be held May 17 to vote on the question of issuing $16,000 in bonds, the proceeds of which will be used for the construction of a sewer system.

Hammond, La.—An election will be held May 20 to vote on the question of issuing $40,000 in bonds, the proceeds of which will be used for the construction of a sewer system. Noted Apr. 22.

Cleveland, Tenn.—The city contemplates issuing $75,000 in bonds, the proceeds of which will be used for the construction of a sewer system.

✚**Lookout Mountain, Tenn.**—The contract for the construction of a sewage-disposal plant at West Ave. and Lyerly St., has been awarded to A. W. INGLE & CO. Noted Nov. 12.

★**Cynthiana, Ky.**—(Official)—Bids will be received until May 10 by B. R. Myers, City Engr., for the construction of storm sewers.

Paducah, Ky.—(Official)—We are advised that an election will be held in the fall to vote on a bond issue of $200,000, the proceeds of which will be used for constructing a trunk sewer in the West End. George C. Wallace is Comr. Noted Apr. 15.

Paducah, Ky.—(Official)—Bids will soon be received by L. A. Washington, Comr. of Pub. Wks., for the construction of Section 1 of the Third District sewerage system.

Akron, Ohio—The Council has passed an ordinance authorizing a bond issue of $23,000, the proceeds of which will be used to complete the Sixth Ward trunk sewer.

✚**Alliance, Ohio**—The contract for the construction of a sewer in North Arch St. has been awarded to the F. A. DOWNS CONSTRUCTION CO., Canton, at $15,145. Noted Mar. 25.

Cincinnati, Ohio—Bids were received Apr. 14 by the Director of Public Service for improving the sewer system in Ludlow Run from Spring Grove Ave. to Ellis St., (a) brick and miscellaneous quantities, (b) concrete and miscellaneous quantities, as follows: Connelly Construction Co., (a) $35,703; M. J. McCarthy, (a) $36,102; Kirchner Construction Co., (a) $36,322, (b) $38,147; Shafor & Dill, Dayton, (a) $46,584, (b) $36,911; D. P. Foley, (a) $43,144, (b) $38,399; Thomas P. Strack, (a) $40,830; Welling & Franz, (a) $41,038; Harold A. Logan, (a) $42,168; Scully Bros., (a) $43,390, (b) $51,146; John B. McLane & Co., Newport, Ky., (a) $43,619; James Duff Construction Co., Cleveland, (a) $47,318, (b) $44,144; Henkel & Sullivan, (a) $44,660; John H. Cahill, Louisville, Ky., (a) $48,160, (b) $47,704; Cannell-Ames Construction Co., Columbus, (a) $49,744, (b) $49,744; John Ruebel Construction Co., (a) $51,429; Thomas Maloney, (a) $51,560; Ohio Valley Contracting Co., (a) informal.

Cincinnati, Ohio—Bids will be received until May 3 by the Director of Public Service for constructing sewers in Kling and Mignon Ave. Parke S. Johnson is Secy. Bd. of Pub. Ser.

Cincinnati, Ohio—Bids will be received until noon, May 3, by Philip Fosdick, Dir. Pub. Ser., City Hall, for the construction of sewers in Pine Tree, Julia Ann St. and King Ave.

Cleveland, Ohio—Bids will be received until noon, May 6, by the Commissioner of Purchases and Supplies, Room 511, City Hall, for the construction of sewers in East 65th St. between Hough and Euclid Ave., in St. Clair Ave. between London Rd. and City Limits, in Spring Rd. between Jennings and Broadview Rd., in Valley Rd. between Jennings and Broadview Rd. and in Jennings Rd. between Spring Rd. and Big Creek. Robert Hoffman is City Engr.

Lowellville, Ohio—All bids received by C. W. Baker, City Clk., for the construction of the south side sanitary sewer have been rejected. The work will be readvertised.

✚**Marion, Ohio**—Contracts for sewer work have been awarded as follows: P. DRAKE & SON, at $11,555, for constructing the North Main St., sewer; THOMAS HURLEY, at $13,395, for constructing the Park and Patten St. sewer; NOHBARGER & HOYLES, at $15,021, for constructing the Uncapher Ave. sewer; HOFFSTETTER & DAWSON, at $6120, for constructing the Park St. sewer. Noted Apr. 18.

Marion, Ohio—The city contemplates constructing sanitary and storm relief trunk sewers in Elm St. from the Church St. sewer to the Columbia St. sewer; also a sewer in Pleasant St. Estimated cost, $8500.

✚**Springfield, Ohio**—The contract for constructing sewers in Scioto and Kenton St. has been awarded to BOYD & COOK, Dayton, at $7872. CHARLES F. SMITH & CO., Dayton, has been awarded the contract for the construction of a sewer in South Main St. at $9342. Noted Feb. 25 and Apr. 1.

Toledo, Ohio—Bids will be received until noon, May 7, by Charles J. Sanzenbacher, Clk. Bd. of Comrs., for constructing the main sanitary sewer No. 11 in Sub-district No. 2. Herbert McKechnie is City Engr.

Youngstown, Ohio—Bids will be received until June 9 by Jonah Richards, Clk., for constructing storm and sanitary sewers. F. M. Lillie is City Engr.

✚**Crawfordsville, Ind.**—(Official)—The contract for the construction of vitrified pipe sewers has been awarded to NOLAN & JOHNSTON, at $6499. Other bidders were: Clements & Clements, $6651 and D. Y. Stout, $6736. Noted Apr. 8.

✚**Flint, Mich.**—The contract has been awarded to BARRETT & VITTARO, Wooster, Ohio, for the construction of a part of the proposed sewer work. Noted Mar. 25.

Grand Rapids, Mich.—(Official)—We are advised that the proposed sewer system will not be constructed this year as was noted in the issue of Apr. 22.

South Range, Mich.—The city contemplates the construction of a sewer system.

Aurora, Ill.—Bids will be received by the Board of Local Improvements until 2 p.m., Apr. 30, for constructing sanitary and storm sewers in various streets.

Chicago, Ill.—Bids will be received until 11 a.m., May 1, by L. E. McGann, Comr. of Pub. Wks., for the construction of sewers in Yates Ave.

★**Chicago, Ill.**—(Official)—Bids will be received until noon, May 7, by Thomas Rodd, Ch. Engr. of the Union Station Co., for constructing reinforced-concrete trunk sewers in Canal, Monroe and Clinton St. and concrete retaining and curb walls in Canal and Monroe St.

Pana, Ill.—Bids will be received until 3 p.m., Apr. 30, by the Board of Local Improvements for the construction of a sewage treatment plant. A. C. Stanfield is City Engr. Noted Apr. 8.

Rockland, Ill.—The city contemplates constructing sewers in 32d, 33d and 34th St. from 18th to 19th and 20th Ave. from 24th to Richmond St.

Green Bay, Wis.—Bids will be received until May 4 by J. Shaughnessy, Chn. of Com. on Sewers, for constructing 12-, 24-, 30-, 36-, and 42-in. sewers in Irwin St. Noted Dec. 31.

†Janesville, Wis.—The contract has been awarded to G. W. MULHOLLAND, Milwaukee, for the construction of sewers in Sewerage Districts 5, 10, 11, 14 and 15. Noted Jan. 14 and Apr. 1. Bids were opened Apr. 16.

†Kenosha, Wis.—The Board of Public Works has awarded the contract to THORNTON BROS., St. Paul, Minn., at $114,678, for constructing a new trunk sewer system.

Milwaukee, Wis.—The State Senate has passed a bill authorizing the city to issue $2,000,000 in bonds, the proceeds of which will be used for the construction of a sewage-disposal plant. The entire plant is estimated to cost $10,000,000 and will be completed in about six years. Noted Mar. 11 and Apr. 15. Chalkley Hatton is Ch. Engr.

★Milwaukee, Wis.—(Official)—Bids will be received until May 14 by the Public Sewerage Commission for constructing intercepting sewers on the east and west sides of the Milwaukee River. Under the original call for bids the contract was awarded to Jones & Erbrek, Pittsburgh, Penn., but has been rescinded. The estimated cost is approximately $500,000. T. Chalkey Hatton is Ch. Engr. Noted Mar. 11 and Apr. 15.

†Monroe, Wis.—The contract for the construction of sewers has been awarded to T. W. QUINN, Madison.

Oshkosh, Wis.—Bids will be received until 2 p.m., Apr. 30, by the Board of Public Works for the construction of a sewer in Lake Drive.

Platteville, Wis.—The city contemplates constructing 5000 ft. of sanitary sewers.

West Allis, Wis.—Plans are being prepared by the City Engineer for the construction of storm sewers in Lapham and Elm St., and in Summit, Worden, Grant and 49th Ave.

Decorah, Iowa—The city will award the contract for the construction of a sewer system about June 15.

†Postville, Iowa—(Official)—Bids were received Apr. 1 by the City Clerk for the construction of a sewer system as follow: M. TSCHIRGI & SONS, Cedar Rapids, $26,985 (awarded contract); F. C. Young, Iowa City, $28,130; C. B. McNamara & Co., Dubuque, $29,338; W. C. Fraser, St. Paul, Minn., $31,742; Thill, Manning, Whalen Co., La Crosse, Wis., $35,569; M. A. Camery, Harlan, $30,473; Sweeney Bros., Reedsburg, Wis., $30,100; Townsend B. Smith, Evanston, Ill., $27,099; Thomas Covey & Sons, Clinton, $27,891; H. J. Cathroe, Omaha, Neb., $27,498; Dearborn Construction Co., Cedar Rapids, $28,912. T. E. Green, Aetna Engineering Bureau, Chicago, Ill., is Engr. Noted Oct. 8, Nov. 12, Jan. 21 and Mar. 25.

†Rockwell City, Iowa—The contract for the construction of storm sewers has been awarded to BEAUMONT STONEBRAKER, at $11,915.

†State Center, Iowa—The contract has been awarded to COLE BROS., Ames, at $19,843, for the construction of a sanitary sewer system. Noted Apr. 1.

Eveleth, Minn.—It is reported that the city contemplates constructing a septic tank estimated to cost $20,000.

New Ulm, Minn.—Bids will be received until May 5 by William Backer, City Clk., for constructing sewers in Broadway, German, Minnesota, Washington, Sixth and Fourth St. F. D. Minium is City Engr.

†St. Cloud, Minn.—The contract for the construction of sewers in District No. 6 requiring 10,063 ft. of 8- to 15-in. pipe sewers, 28 manholes and four flush tanks has been awarded to H. J. CATHROE Omaha, Neb. Noted Apr. 1.

Valley Falls, Kan.—(Official)—Bids will be received until 2 p.m., May 11, by T. W. Gardiner, City Clk., for the construction of a sewer system and a sewage-disposal plant. The estimated cost is $43,000. Noted Apr. 22.

Howard, S. D.—(Official)—Bids will be received until 8 p.m., May 12, by the City Council for the purchase of $24,000 in bonds, the proceeds of which will be used for the construction of sewers. Noted Feb. 4.

†Roundup, Mont.—The contract for the construction of a sewer system has been awarded to the SECURITY BRIDGE CO., at $25,215. Noted Sept. 1, Oct. 29, Jan. 7 and Mar. 25.

Siloam Springs, Ark.—Bids will be received until 2:30 p.m., May 12, by R. J. Alfrey, Secy. Bd. of Imp., Sewer District No. 1, for the construction of a sanitary sewer system. Winters & Dove, Ft. Smith, Ark., is Engr. Noted Mar. 25.

Hillsboro, Tex.—At a recent election the citizens defeated the question to issue $5000 in bonds, the proceeds of which was to have been used for constructing sewers.

Temple, Tex.—The city plans to extend the sanitary sewer system. The estimated cost is $10,000. R. D. Morgan is City Engr.

†Texarkana, Tex.—The contract has been awarded to W. T. JORDAN for extending the sewers in District No. 3 and for the construction of a septic tank. The estimated cost is $14,000. Noted Dec. 31 and Apr. 22.

Salt Lake City, Utah—Bids will be received until 10 a.m., May 11, by the Board of Commissioners for constructing sewers in Elders Court from Third to Fourth West St., Extension No. 346, and in Block 31, Plat E from Wall St. E., to Girard and Clinton Ave. Extension No. 348. S. Q. Cannon is City Engr.

Mesa, Ariz.—An election will be held May 18 to vote on the question of issuing bonds for the installation of a sewer system.

Seattle, Wash.—Plans have been prepared by A. H. Dimock, City Engr., for the construction of a sewer in Ballard Ave. and in Market St. The estimated cost is $25,000.

Spokane, Wash.—The lowest bids submitted for the changes in three groups of sewers in connection with the Northern Pacific grade separation work were as follows: W. J. Hoy & Co., $25,500; Heikkila, Miller & Luoto, $1946 and $1885. Noted Apr. 1.

†Tacoma, Wash.—The contract has been awarded to the PACIFIC SEWER & WATERMAIN CONSTRUCTION CO., at $10,744, for the construction of a sewer in East D St.

Seaside, Ore.—The city contemplates constructing sewers in Third Ave. and other streets.

Calistoga, Calif.—The lowest bid submitted for the construction of a sewer system was that of Burdwell & Dillerman, at $14,200.

San Francisco, Calif.—M. M. O'Shaughnessy, City Engr., has recommended an appropriation for sewer work as follows: Islais Creek sewer, $50,000; Fifth St. sewer, $87,000; Stanley St. sewer and outlet, $35,000; College Hill tunnel, $100,000; South Bay View sewer, $50,000; Laguna Puerca sewer, $125,000; Seventh Ave. extension sewer, $10,000 and a new sewer and outlet in Fillmore St., $175,000.

Stockton, Calif.—The city contemplates constructing sewers in Sonoma, Mendocino, Monterey, North Hunter, North San Joaquin and North Sutter St. at an estimated cost of $6601; also in the district bounded by Lincoln, Edison, Taylor & South St. H. T. Compton is City Engr.

GARBAGE

††Wilmington, Del.—The contract has been awarded to the AMERICAN REDUCTION CO., Newark, N. J., by the city for the disposal of garbage. Noted Mar. 4.

Newport, Ky.—The construction of a garbage crematory is under consideration. The estimated cost is $20,000.

Beloit, Wis.—The construction of a garbage-disposal plant is under consideration.

Lincoln, Neb.—(Official)—An election will be held May 4 to vote on the question of issuing $50,000 in bonds, the proceeds of which will be used for the disposal of garbage. T. H. Berg is City Clk. Noted Apr. 15.

†San Antonio, Tex.—The contract has been awarded to the DE CARIE CO., at $11,985, by the City Council for constructing an incinerator. Noted Oct. 8 and Dec. 31.

STREETS AND ROADS

Boston, Mass.—Bids were received Apr. 22 for paving Summer St. from Washington to South St. with wood blocks as follows: James H. Fannon, 28 Hinckley St., Somerville, $22,785; Hugh Nawn Contracting Co., 82 Savin St., Roxbury, $21,408; Rowe Contracting Co., 1607 Commonwealth Ave., Brighton, $21,253; James Doherty, 133 Calumet St., Roxbury, $20,350; Coleman Bros., 1 Marginal St., Chelsea, $19,245; Clark & Gore, 191 Eighth St., South Boston, $19,183; Northern Construction Co., 99 West Cedar St., Boston, $18,666. Noted Apr. 15.

†Boston, Mass.—The contract for the construction of 11,000 lin.ft. of state road in Amherst and Hadley has been awarded by the Highway Commission to the LANE CONSTRUCTION CO., Meriden, Conn., at $12,465. Other bids were: F. E. Ellis, Melrose, $12,607; R. F. Hudson, Melrose, $13,3390; B. E. Savage, Worcester, $13,668.

Boston, Mass.—Bids will be received until May 4 by the Highway Commission for the construction of roads as follows: 10,400 lin.ft. in Methuen and Lawrence; 6500 lin.ft. in Deerfield; 10,900 lin.ft. in Whitman, Abington and Brockton; 15,000 lin.ft. in Swampscott and Salem; 10,100 lin.ft. in Shrewsbury.

†Boston, Mass.—The contract for the construction of 4400 lin.ft. of state road in Northbridge has been awarded by the Highway Commission to the J. J. McCARTHY CORPORATION Boston, at $11,692: Other bids were: Alco Construction Co., Boston, $12,167; A. Williams, Boston, $12,254; Middlesex Contracting Co., North Adams, $12,834; O. W. Ruckle, Providence, R. I., $12,892; E. R. Nowell, Uxbridge, $12,939; C. A. Kelly, Somerville, $13,443; D. J. Sheehan, Lynn, $13,845; Concrete Construction Co., Boston, $14,447; Susi & Williams, Boston, $14,744; Sewell, Small & Ingalls, Bar Harbor, Maine, $15,175. Noted Apr. 15.

†Boston, Mass.—Bids were received Apr. 20 for 9600 lin.ft. of state road in South Hadley as follows: (a) mixed method, (b) penetration method; LANE CONSTRUCTION CO., Meriden, (a) $26,830, (b) $23,380 (awarded contract); D. O'Connell, Holyoke, (a) $31,529, (b) $29,325; W. T. Davis, Brookline, (a) $33,710, (b) $28,490; Middlesex Contracting Co., North Adams, (a) $36,040, (b) $26,760. Noted Apr. 15.

†Boston, Mass.—The contract for the construction of 15,700 lin.ft. of state road in Greenfield has been awarded by the State Highway Commission to R. F. HUDSON, Melrose, at $7580. Other bids were: F. E. Ellis, Melrose, $7902; Lane Construction Co., Meriden, Conn., $8095; C. E. Horne, Millbury, $8101; E. R. Newell, Uxbridge, $10,195. Noted Apr. 15.

Gloucester, Mass.—Bonds for $30,000 have been sold, the proceeds of which will be used for highway improvements.

†Pittsfield, Mass.—The Board of Public Works has awarded contracts for paving West St. and West Hoosatonic St. with brick to WEED & WALSH, at $13,033, and Woodleigh Ave. to O. T. BENEDICT, at $5525.

Providence, R. I.—Bids will be received until noon, May 3, by the State Board of Public Roads for about 450,000 gal. road oil. John F. Richmond is Chn. of Bd.

Hartford, Conn.—Bids for state road work were received by the State Highway Commissioner, Apr. 19, as follows: Wethersfield Township, about 101 lin.ft. 6-in. bituminous macadam on the Hartford Turnpike. This is a cut-off road and involves 8100 cu.yd. of borrowed fill and 1800 sq.yd. of 6-in. bituminous macadam surfacing: Pierson Engineering & Construction Co., Hartford, $9065; Frank Arrigoni & Bro., Middletown, $9600; A. C. Sternberg, Jr., Construction Co., West Hartford, $8397; Thomas Kearney, Meriden, $8415; Leonardo Suzio, Meriden, $7914; John DeMichiel & Bro., Torrington, $8246; Louis Longhi & Bro., Torrington, $8970. Old Lyme Township, about 8690 lin.ft. native stone macadam: B. D. Pierce, Jr., Co., Bridgeport, $16,280; A. D. Bridge's Sons, Inc., Hazardville, $15,704; Frank Arrigoni & Bro., Middletown,

$20,151; Connecticut Good Roads & Construction Co., New Britain, $17,116; John DeMichiel & Bro., Torrington, $16,828; Archie B. Cadwell, New Britain, $17,380; John Arborio, Congress Ave., New Haven, $15,687; Donahue Bros., Middletown, $22,337; Louis Longhi & Bro., Torrington, $20,379; Goodman & Trumbull Co., Litchfield, $18,164. Hampton Township, about 2975 lin.ft. native stone macadam: John Arborio, Congress Ave., New Haven, $6629. Rocky Hill Township, about 1225 lin.ft. concrete road with (a) unwashed or (b) washed sand, on the Hartford and Saybrook Turnpike. This work includes a 16-ft. span reinforced-concrete bridge: Frank Arrigoni & Bro., Middletown, (a) $12,201, (b) $12,359; Connecticut Good Roads & Construction Co., New Britain, (a) $10,726, (b) $10,805; Leonardo Suzio, Meriden, (a) $10,306, (b) $10,411; A. C. Sternberg, Jr., Co., West Hartford, (a) $9717, (b) $9717; B. D. Pierce, Jr., Co., Bridgeport, (a) $10,233, (b) $10,416; Calvin C. Robinson, 422 Front St., New Haven, (a) $11,945, (b) $12,155; Louis Longhi & Bro., Torrington, (a) $10,138, (b) $10,295; John De Michiel & Bro., Torrington, (a) $10,525, (b) $10,656; Benadetta & Tomassetti, Hartford, (a) $14,690, (b) $14,690. Noted Apr. 15.

✚★**Albany, N. Y.**—(Official)—Bids were received Apr. 20 by Edwin Duffey, State Highway Comr., and contracts awarded for repairing public highways by State Aid as follows:

Repair Contract No. 705, Road No. 365, Albany County: C. S. Mathusa, Albany, $8845; Highway Engineering Co., Albany, $8193; J. J. Malloy, Schenectady, $8439; Alonzo Schaupp, Guilderland, $8286; Raymond Horne, New York, $8338; Brown & Lowe Co., Schenectady, $8835; John P. Dugan & Co., Amsterdam, $8609. Award withheld.

Repair Contract No. 695, Road No. 265, 5338-A, Broome County: F. P. Meckes, Long Pond, Penn., $10,939; McGreevey, McGuigan & Baum, Elmira, N. Y., $10,127; Rhodes & Adams, Smithville, $10,723; Harold J. Shields, Albany, $10,919; George Holler, Albany, $9911; C. S. Mathusa, Albany, $10,559; I. B. Contracting Corporation, New York, $10,153; Ruddy-Saunders Construction Co., Troy, $10,353. Award withheld.

Repair Contract No. 694, Road No. 5216, Chenango County: Rhodes & Adams, Smithville, $2677; De Barber & Hill, Fulton, $2517; Nash & Griffin, Norwich, $2883; Paddleford & King, Sherburne, $2675; Harold J. Shields, Albany, $2676; Richard Hopkins, Troy, $2637; George Holler, Albany, $2291; I. B. Contracting Corporation, New York, 2483. Award withheld.

Repair Contract No. 707, Road No. 259, Clinton County: Harold J. Shields, Albany, $34918; Bluff Point Stone Co., Plattsburg, $34,590; Spellman-Oliver Co., Chateaugay, $35,331; John F. Lewis, Albany, $30,435; Boynton & McNally, Keeseville, $33,209; James Conway, Plattsburg, $35,290; Flood & Van Wirt Co., Hudson Falls, $34,643. Award withheld.

Repair Contract No. 691, Road No. 217, Delaware County: Schunnemunk Construction Co., Highland Mills, $2184; Lyden Contracting Corporation, Albany, $2183; I. B. CONTRACTING CORPORATION, New York, $1941 (awarded contract); George Holler, Albany, $2101; Harold J. Shields, Albany, $2275; C. S. Mathusa, Albany, $2166.

Repair Contract No. 706, Road No. 658, Essex County: Harry W. Roberts & Co., Utica, $23,465; Brown & Lowe Co., Schenectady, $25,141; Santononi Contracting Co., Inc., Newcomb, $21,450; JAMES E. MARTIN, Utica, $26,991 (awarded contract); Flood & Van Wirt Co., Hudson Falls, $21,934; W. L. Lawton, Glens Falls, $20,951; Langan Construction Corporation, Albany, $23,382.

Repair Contract No. 611, Road No. 430, Onondaga County: Chas. E. Hanny, Camillus, $5602; Thomas Hucknall & Co., Albion, $6054; Phelan & Sullivan, Utica, $6181; Monroe Roads Co., Pittsford, $6182; Bison City Engineering & Contracting Co., Inc., Buffalo, $5923; Flood & Van Wirt Co., Hudson Falls, $5898; Harold J. Shields, Albany, $5950; PATHFINDER CONSTRUCTION CO., INC., Fulton, $5471 (awarded contract).

Repair Contract No. 898, Road No. 329, Onondaga County: Pathfinder Construction Co., Inc., Fulton, $8774; CHARLES E. HANNEY, Camillus, $8655 (awarded contract); J. H. Weidman, Syracuse, $9349; Harold J. Shields, Albany, $9148; Flood & Van Wirt Co., Hudson Falls, $9266; Phelan & Sullivan, Utica, $9438; Thomas F. Murray, Le Roy, $9278; Monroe Roads Co., Pittsford, $9470.

Repair Contract No. 699, Road No. 431, Onondaga County: PATHFINDER CONSTRUCTION CO., INC., Fulton, $9565 awarded contract); Monroe Roads Co., Pittsford, $10,855; Phelan & Sullivan, Utica, $11,094; Thomas Hucknall & Co., Albion, $10,652; Thomas F. Murray, Le Roy, $11,051; Flood & Van Wirt Co., Hudson Falls, $10,721; Harold J. Shields, Albany, $10,662.

Repair Contract No. 700, Road No. 539, Oswego County: J. H. Weidman, Syracuse, $11,590; F. N. Hunter, Sterling, $11,559; De Barber & Hill, Fulton, $11,420; PATHFINDER CONSTRUCTION CO., INC., Fulton, $9754 (awarded contract); Paddleford & King, Sherburne, $10,721; Fulton Engineering Co., Inc., Albany, $11,064; Thomas Hucknall & Co., Albion, $10,549; Bison City Engineering & Contracting Co., Inc., Buffalo, $9854.

Repair Contract No. 697, Road Nos. 317, 318, 319, 675, Otsego County: John P. Dugan Co., Amsterdam, $12,025; C. S. Mathusa, Albany, $11,384; George Holler, Albany, $9971; Richard Hopkins, Troy, $11,821; I. B. Contracting Corporation, New York, $11 632; Edward Hartney, Modena, $10,580; De Barber & Hill, Fulton, $11,123; Sherman Contracting Co., Inc., Oneonta, $11,746; Dana W. Robbins, Inc., New York, $11,808; Paddleford & King, Sherburne, $11,843. Award withheld.

Repair Contract No. 709, Road No. 84, Rensselaer County: George Holler, Albany, $12,704; Helmar Contracting Co., Inc., Troy, $12,795; C. W. TRYON, Boyntonville, $11,927 (awarded contract); Flood & Van Wirt Co., Hudson Falls, $13,124; Thomas H. Karr, Troy, $12,302; Harold J. Shields, Albany, $12,969.

Repair Contract No. 708, Road Nos. 244, 443, Saratoga County: Brown & Lowe Co., Schenectady, $21,171; F. A. Biggin, Brooklyn, $21,496; Flood & Van Wirt Co., Hudson Falls, $21,014; W. L. Lawton, Glens Falls, $20,458; Harry W. Roberts & Co., Utica, $21,315; WILLIAM J. MORRISSEY, Saratoga, $20,193 (awarded contract); Thomas Leonard, Saratoga Springs, $20,503.

Repair Contract No. 692, Road No. 5089, Schoharie County: Fred Westfall, Schoharie, $6938; Lyden Contracting Co., Albany, $6811; The Curran Corporation, Middletown, Conn., $6826; George Holler, Albany, $5592; Richard Hopkins, Troy, $6986; C. S. Mathusa, Albany, $6604; I. B. Contracting Corporation, New York, $6409; John P. Dugan & Co., Amsterdam, $7492. Award withheld.

Repair Contract No. 702, Road No. 320, Seneca County: J. W. Brennan Construction Co., Inc., Geneva, $24,804; Wood & Tompkins, Hilton, $23,828; Thomas Hucknall & Co., Albion, $23,978; J. H. Weidman, Syracuse, $24,244; Schroder Hicks Contracting Co., Rochester, $24,387; Monroe Roads Co., Pittsford, $23,677; THOMAS F. MURRAY, Le Roy, $21,324 (awarded contract); James E. Martin, Utica, $26,109; Flood & Van Wirt Co., Hudson Falls, $22,860; Bison City Engineering & Contracting Co., Inc., Buffalo, $24,015.

Repair Contract No. 696, Road No. 699, Sullivan County: Eggleston & Garthwaite, Yonkers, $12,935; RUDDY SAUNDERS CONSTRUCTION CO., Troy, $12,445 (awarded contract); John A. Jova, Inc., Newburgh, $12,084; G. C. Bonnell, Liberty, $12,892; Blankfield & Donovan, Kingston, $13,054; Southern Dutchess Construction Co., Beacon, $12,997; Harold J. Shields, Albany, $13,878.

Repair Contract No. 704, Road No. 693, Suffolk County: H. J. Mullen Contracting Co., Inc., Jamaica, $17,444; J. J. Guinan Contracting Co., Brooklyn, $16,343; Gifford Construction Co., Jamaica, $17,904; John K. Hayes Construction Co., Yonkers, $16,884; James Garafano & Son, Inc., Mt. Vernon, $17,782; Heling Bros., Lindenburst, $18,823; Eggleston & Garthwaite, Yonkers, $17,943. Award withheld.

Repair Contract No. 710, Road No. 736, Warren County: William L. Sherrill, Hudson Falls, $21,803; Brown & Lowe Co., Schenectady, $23,693; James E. Martin, Utica, $24,049; Santononi Contracting Co., Inc., Newcomb, $20,334; Flood & Van Wirt Co., Hudson Falls, $21,117; Langan Construction Co., Albany, $21,529; W. L. LAWTON, Glens Falls, $19,907 (awarded contract); Harry W. Roberts & Co., Utica, $22,954.

Repair Contract No. 703, Road No. 5290, Wayne County: Bison City Engineering & Contracting Co., Inc., Buffalo, $3361; James F. Leary Construction Co., Inc., Rochester, $3316; I. B. Contracting Corporation, New York, $3718; I. M. Ludington Sons, Inc., Rochester, $3711; De Barber & Hill, Fulton, $3646; Pathfinder Construction Co., Inc., Fulton, $3550; J. H. Weidman, Syracuse, $4142; Richard Hopkins, Troy, $3793; Fred D. Dutcher, Fulton, $3650; Sweeney & Boland, Rochester, $3000. Award withheld.

Repair Contract No. 711, Road No. 854, Wyoming County: T. M. Quinn, Rochester, $9752; Brooks & Julian, Rochester, $9009; McCarthy & Wall, Mt. Morris, $8572; John Johnson Construction Co., Buffalo, $9246; I. M. Ludington Cons, Inc., Rochester, $8817; Thomas F. Murray, Le Roy, $8796; James Rossney, Buffalo, $8910. Award withheld. Noted Apr. 1.

★**Albany, N. Y.**—(Official)—Bids will be received until 1 p.m., May 18, by Edwin Duffey, State Highway Comr., for repairing highways in various counties.

★**Albany, N. Y.**—(Official)—Bids were received Apr. 26 by Edwin Duffey, State Highway Comr. for furnishing bituminous material to various counties as follows:

Bituminous Material Contract No. 1, Division No. 1: Barber Asphalt Paving Co., $9745; Atlantic Refining Co., $27,917; Standard Oil Co. of New York, $25,597; Warner-Quinlan Asphalt Co., $31,105; John Baker, Jr., $25,244.

Bituminous Material Contract No. 2, Division No. 1: Barrett Mfg. Co., $45,880.

Bituminous Material Contract No. 3, Division No. 1: United Gas Improvement Co., $2996; Barrett Mfg. Co., $2790.

Bituminous Material Contract No. 4, Division No. 2: Warner-Quinlan Asphalt Co., $14,477; Standard Oil Co. of New York, $13,386; Barber Asphalt Paving Co., $22,023; John Baker, Jr., $12,891; Atlantic Refining Co., $13,664.

Bituminous Material Contract No. 5, Division 2: Barrett Mfg. Co., $2275.

Bituminous Material Contract No. 6, Division No. 3: Warner-Quinlan Asphalt Co., $1842; John Baker, Jr., $1734; Atlantic Refining Co., $1746; Barber Asphalt Paving Co., $2002; Standard Oil Co. of New York, $1797.

Bituminous Material Contract No. 7, Division No. 3: Barrett Mfg. Co., $3936.

Bituminous Material Contract No. 8, Division No. 4: Atlantic Refining Co., $11,799; Barber Asphalt Co., 8730; Standard Oil Co., $11,798; John Baker, Jr., $11,241; Warner-Quinlan Asphalt Co., $13,312.

Bituminous Material Contract No. 9, Division No. 4: Barrett Mfg. Co., $2395.

Bituminous Material Contract No. 10, Division No. 5: Warner Quinlan Asphalt Co., $12,539; John Baker, Jr., $11,167; Atlantic Refining Co., $11,598; Barber Asphalt Paving Co., $11,180; Standard Oil Co., of New York, $11,396.

Bituminous Material Contract No. 11, Division No. 5: Barrett Mfg. Co., $2352.

Bituminous Material Contract No. 12, Division No. 6; Atlantic Refining Co., $5606; Barber Asphalt Co., $9669; Standard Oil Co. of New York, $5699; Warner-Quinlan Asphalt Co., $6234; John Baker, Jr., $5582.

Bituminous Material Contract No. 13, Division No. 6: Barrett Mfg. Co., $8543.

Bituminous Material Contract No. 14, Division No. 7: Barber Asphalt Paving Co., $2440; Atlantic Refining Co., $3085; John Baker, Jr., $3192; Warner-Quinlan Asphalt Co., $3493; Standard Oil Co. of New York, $3240.

Bituminous Material Contract No. 15, Division No. 7: Barrett Mfg. Co., $3204.

Bituminous Material Contract No. 16, Division No. 7: United Gas Improvement Co., $1459; Barrett Mfg. Co., $1378.

Bituminous Material Contract No. 17, Division No. 8: Atlantic Refining Co., $5624; Barber Asphalt Paving Co., $10,271; Standard Oil Co. of New York, $5632; Warner-Quinlan Asphalt Co., $6235; John Baker, Jr., $5538.

Bituminous Material Contract No. 18, Division No. 8: Barrett Mfg. Co., $2283.

Bituminous Material Contract No. 19, Division No. 9: Warner-Quinlan Asphalt Co., $7742; John Baker, Jr., $6441; Standard Oil Co. of New York, $6660; Barber Asphalt Paving Co., $12,026; Atlantic Refining Co., $6544.

Bituminous Material Contract No. 20, Division No. 9: Barrett Mfg. Co., $2723. Noted Apr. 15.

✚**Auburn, N. Y.**—The contract for paving Franklin, Chapel St. and Ave. A has been awarded to BRAYER BROS., at $44,000.

Massena, N. Y.—Bids will be received until May 3 for the sale of $12,000 in bonds, the proceeds of which will be used for improving streets.

Newburgh, N. Y.—(Official)—Bids will be received until May 4 by D. J. Coutant, City Clk., for paving Cochecton Turnpike.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., May 6, by Douglas Mathewson, Borough Pres., for paving East 174th St. from Southern Blvd. to Bryant Ave. and East 167th St. from West Farms Rd. to the intersection of Westchester and Longfellow Ave.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., May 5, by L. H. Pounds, Borough Pres., for improving Argyle Rd. from Church to Caton Rd., Belmont Ave. from Van Sinderen to Snediker Ave. and from Alabama to Pennsylvania Ave., Louisa St. from Chester Ave. to 36th St., Newport St. from Snediker to Alabama Ave., President St. from Nostrand to Rogers Ave., Saratoga Ave. from Livonia Ave. to East 98th St., Webster Ave. from Gravesend Ave. to 47th St., 12th Ave. from 36th to 38th St., and 21st St. from 60th to 64th St.

✚**New York, N. Y.**—(Borough of Brooklyn)—(Official)—The contract for improving Front Ct. from Fulton to Adams St. has been awarded to CHARLES A. MYERS CONSTRUCTING CO., at $8599. Noted Apr. 8 and 22.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received Apr. 21 for improving (a) East 10th St. from Ave. N to Ave. O, (b) East 12th St. from Ave. R. to Ave. S, (c) 38th St. from 10th to Ft. Hamilton Ave., as follows: Brooklyn Alcatraz Asphalt Co., (a) $4236, (b) $4056, (c) $3910; Topeka Paving Co., (a) $4497, (b) $4297, (c) $4311; Cranford Co., (a) $4633, (b) $4433, (c) $4283; Sicilian Asphalt Paving Co., (a) $4602, (b) $4401, (c) $4222; Uvalde Asphalt Paving Co., (a) $4633, (b) $4428, (c) $4281; Barber Asphalt Paving Co., (a) $5209, (b) $5218, (c) $4965. Noted Apr. 15.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., May 5, by Marcus M. Marks, Borough Pres., for improving Market St. from Cherry St. to East Broadway, Monroe St. from Pike to Market St., 13th St. from Ave. A to Third Ave., 30th St. from Eighth to Ninth Ave., 32d St. from Second to Third Ave., 40th St. from Second to Lexington Ave., 176th St. from Audubon to St. Nicholas Ave., Houston St. from Lafayette to Crosby St., 27th St. from Tenth to 11th Ave., 32d St. from First to Second Ave., and 40th St. from First to Second Ave.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 3 p.m., May 6, by the Park Board for surfacing the City Island Rd. from the Eastern Blvd. to the City Island bridge in Pelham Bay Park.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., May 5, by Maurice E. Connolly, Borough Pres., for improving Sunwick St. from Wilbur to Payntar Ave., Washington Pl. from Academy St. to Jackson Ave., Van Dain St. from Thomson Ave. to the summit southwest of Star Ave., North Henry St. from Flushing to Newtown Ave. and 11th Ave. from Grand Ave. to Newton Rd.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids were received Apr. 20 for improving Belmont Pl. from Vine St. to Fort Pl. as follows: C. Vanderbilt, $5069; Barber Asphalt Co., $5147; Joseph Johnson Sons, $4467; J. E. Donavan, $5178. Noted Apr. 15.

✚**North Tonawanda, N. Y.**—The contract for paving Robinson St. and Rumbold Ave. has been awarded to LOUIS H. GIPP, Buffalo, at $30,026.

✚**Port Jervis, N. Y.**—(Official)—The contract for paving Jersey Ave. has been awarded to the PORT JERVIS CONSTRUCTION CO., at $18,127. Noted Apr. 15.

✚**Rochester, N. Y.**—The contract for paving Argo St. with asphalt has been awarded to WHITMORE, RAUBER & VICINUS, $8500.

Belleville, N. J.—The Town Commission plans to improve Greylock and Belmont Ave. with bitulithic and Heckle St. with roman road pavement.

✚**Camden, N. J.**—The Board of Freeholders has awarded a contract for the improvement of the King's Highway, between the railroad and Westville Pike, to the J. F. SHANLEY CO., Philadelphia, at $10,472.

✚**Camden, N. J.**—(Official)—Contracts have been awarded for improving Carter's Pl. to AARON WARD & SON, Eighth and Division St., Camden, at $2.97 per sq.yd.; Sixth and Division St. to W. P. CARSON, 506 Haddon Ave., at $2.75 and $2.97 per sq.yd. respectively. Noted Apr. 15.

Englewood, N. J.—(Official)—Bids will be received until 2 p.m., May 14 by the Board of Chosen Freeholders of Bergen County, Hackensack, for improving a portion of Forest Ave. from the Englewood city line and extending to Lafayette Ave., and Lafayette Ave. from Forest Ave. to Palisade Ave.

Hackensack, N. J.—(Official)—Bids will be received until 1 p.m., May 28, by the Board of Chosen Freeholders of Bergen County for the improvement of the Teaneck Rd. from the Fort Lee Turnpike to Cedar Lane, Schroalenburgh Rd. and Washington Ave. from Forest Ave. to the northerly line of Haworth Borough.

✚**Maplewood, N. J.**—The Township Committee has awarded a contract to the BARRETT MFG. CO. for 40,000 gal. of tarvia and road oil.

Newark, N. J.—Bids were received Apr. 22 for paving (a) Henderson St. from Renner to Lyons Ave., (b) Ferdinand St. from Grove to South 20th St., (c) Chester Ave. from Fifth St. to city line, (d) Elm Rd. from Tyler to Gotthardt St. as follows: Northern Construction Co., (a) $13,477, (b) $4008, (c) $21,806, (d) $15,369; Standard Bitulithic Co., (a) $13,383, (b) $3995, (c) $21,905, (d) $15,414; Van Keuren & Son, (a) $13,421, (b) $4013, (c) $22,270, (d) $15,228; Newark Paving Co., (a) $13,088, (b) $3903, (c) $22,173, (d) $15,511; Jackson Contracting Co., (a) $13,050, (b) $3940, (c) $22,092, (d) $15,243; Ralph Langrovamin, (c) 21,685, (d) $14,836.

New Brunswick, N. J.—The Board of Freeholders has authorized Alvin B. Fox, County Engr., Perth Amboy, to prepare plans for the improvement of highways as follows: St. George's Ave., Old Bridge Turnpike, and the South Amboy-Morgan-Keyport Rd.

✚**Plainfield, N. J.**—(Official)—A contract for constructing concrete pavements has been awarded to the WELDON CONTRACTING CO., Rahway, at $4635. Noted Mar. 25 and Apr. 15.

Princeton, N. J.—The Borough Council plans to pave Nassau St. from Bayard Lane to Washington St.

Mt. Pleasant, Penn.—Bids will be received until 8 p.m., May 3, by Avery S. Overholt, Borough Secy., for paving East Washington St.

✚✚**Scottdale, Penn.**—(Official)—The contract for grading, curbing and paving Pittsburgh, Hickory, Grove and Brooks St. has been awarded to LUTHER F. EDWARDS, Greensburg, at $23,000. Noted Apr. 15.

Washington, Penn.—(Official)—Bids will be received until 1 p.m., May 11, by T. J. Underwood, County Controller of Washington County, for constructing county roads with necessary culverts and small bridges.

Salisbury, Md.—(Official)—Bids will be received until noon, May 7, by the Commissioners of Wicomico County for building a section of State Aid highway in Wicomico County, upon or along the Riverside Rd., between Salisbury and Tony Tank Creek bridge. H. M. Clark is Rd. Engr.

✚**Wytheville, Va.**—The contract for macadamizing 3½ miles of roadway from Porters Cross Rd. to Mill Creek Rd. has been awarded to J. KENT WARDEN, Pulaski, at $16,448.

Huntington, W. Va.—The County Court has decided to hold an election for the purpose of voting on the question of issuing $600,000 in bonds, the proceeds to be used for paving roads, May 29 instead of May 22, as previously noted. Noted Feb. 15, Apr. 8 and 22.

Jackson, N. C.—Bids will be received until 10 a.m., May 18, for the sale of $16,000 in bonds, the proceeds of which will be used for constructing roads in Jackson Township.

Nashville, N. C.—An election will be held May 15 to vote on the question of issuing $15,000 in bonds, the proceeds to be used for constructing roads in North Whitakers Township, Nash County.

Roxboro, N. C.—The citizens of Person County will vote May 11 on the question of issuing $75,000 in bonds, the proceeds to be used for constructing roads in Roxboro Township.

★**Anderson, S. C.**—(Official)—Bids will be received until noon, May 11, by the Board of Paving Commissioners for paving approximately 75,000 sq.yd.. W. A. Sanders is City Engr.

★**Charleston, S. C.**—(Official)—Bids will be received until 1 p.m., May 18, by J. H. Dingle, City Engr., for paving approximately 65,000 sq.yd.

★**Greenville, S. C.**—(Official)—See item under "Sewers."

Brooksville, Fla.—Hernando County contemplates an expenditure of $250,000 for rock roads to be constructed by county force. The Jaudon Engineering Co., Savannah, Ga., is Engr.-in-Charge.

Miami, Fla.—At the election held Apr. 20 the citizens voted in favor of issuing $100,000 in bonds, the proceeds of which will be used for constructing the Ingraham Highway. Noted Apr. 15.

West Palm Beach, Fla.—Bids will be received until May 7 by A. M. Lopez, City Clk., for improving a number of streets.

Linden, Ala.—Bids will be received until May 11 by the Commissioners of Marengo County for grading, draining and surfacing with gravel a section of the county road.

✚**Tuskegee, Ala.**—The contract for graveling two miles of Main St. has been awarded to the THORPE CONSTRUCTION CO.

Baton Rouge, La.—Bids will be received by the Commission Council, Baton Rouge, until noon, May 12, for laying approximately 170,000 sq.yd. of bituminous gravel pavement, with concrete curb and gutter; also 22,000 sq.yd. of hard surface pavement. John J. Mundinger is City Engr.

Franklin, La.—Bids will be received until 1 p.m., May 17, by the Road Commission of St. Mary Parish for the construction of approximately 50 miles of highway.

Elizabethton, Tenn.—Press reports state that the County Court contemplates issuing $340,000 in bonds, the proceeds to be used for road construction in Carter County.

✚**Huntsville, Tenn.**—A contract for constructing roads in Scott County has been awarded to OLIVER & HILL, Maryville, Tenn.

Madisonville, Tenn.—An election will be held July 15 to vote on the question of issuing $300,00 in bonds, the proceeds to be used for road construction in Monroe County.

✚**Louisville, Ky.**—The contract for paving alleys with vitrified brick has been awarded to the L. R. FIGG CO., Louisville, at $17,800.

Princeton, Ky.—The question of issuing $150,000 in bonds for road construction, the proceeds of which was to have been used for road construction was defeated at the election Apr. 3.

✚**Bowling Green, Ohio**—The contract for paving Ordway, Ada and Evers St. has been awarded to MASSMAN & GREEN, Grand Rapids, Mich., at $9500. Noted Apr. 8.

Bowling Green, Ohio—Bids will be received until May 10 by C. E. Stinebaugh, County Audr., for grading, draining and macadamizing about seven roads.

✚**Canal Dover, Ohio**—Press reports state that contracts have been awarded for paving Iron Ave. to J. NORMAN & SON, at $19,000, and Slingluff Ave. to STANFORD, GLOVER & McELFRESH, Caldwell, at $8000. Noted Apr. 1.

✚**Canton, Ohio**—Contracts have been awarded for improving the Waco-Mapleton Rd. to the HIGHWAY CONSTRUCTION CO., Elyria, at $21,211, and the Navarre-Justus Rd. to WISE BROS., Canton, at $23,551. Noted Apr. 8.

Cincinnati, Ohio—(Official)—Bids will be received until noon, May 4, by Philip Fosdick, Dir. of Pub. Ser., for improving Colerain Ave. from Harrison Ave. to Hopple St.

Cincinnati, Ohio—W. T. Flynn, at $22,569, submitted the lowest bid for the improvement of the Hunt Rd. Noted Apr. 1.

Cleveland Heights, Ohio (Warrensville post office)—(Official)—Bids will be received until noon, May 17, by H. H. Canfield, Village Clk., for the improvement of Euclid Heights Blvd.

Defiance, Ohio—The City Council has authorized the Director of Public Service to prepare plans for the paving of Jefferson, Washington and Front St.

✚**Findlay, Ohio**—(Official)—The contract for paving Cherry St. with brick has been awarded to C. B. HALL & SON, Findlay, at $10,123. Noted Apr. 15.

Fremont, Ohio—Bonds for $15,000 were sold Apr. 20, the proceeds of which will be used for improving Wayne St.

✚**McGuffey, Ohio**—The contract for paving Courtright St. with brick has been awarded to HENRY S. ENCK, Lima, at $17,000.

✚**Marion, Ohio**—The contract for improving Windsor St. from Bellefontaine Ave. south to Marion Ave. has been awarded to the ASPHALT BLOCK PAVING CO., at $11,555.

✚**Marion, Ohio**—The contract for paving North Main St. from Fairground St. to the corporation line has been awarded to P. DRAKE & SONS, at $23,200.

Napoleon, Ohio—The Commissioners of Henry County contemplate repairing 25¼ miles of crushed stone roads. The estimated cost is $69,992.

New Philadelphia, Ohio—Bids will be received until May 4 by J. E. Scott, Dir. Pub. Ser., for improving South Broadway.

Painesville, Ohio—Bonds for $17,000 were sold Apr. 12, the proceeds of which will be used for improving roads in Lake County. Noted Mar. 18.

✚**Rockford, Ohio**—(Official)—The contract for improving East, First, Second and Franklin St. has been awarded to LEWIS C. BENNETT, Rockford, at $22,041. Noted Apr. 15.

Zanesville, Ohio—(Official)—Bids will be received until noon, May 3, by the Director of Public Service for improving a portion of Sharon Ave.

✚**Battle Creek, Mich.**—A contract for constructing 30 miles of asphalt pavement has been awarded to the FEDERAL ASPHALT PAVING CO., Hamilton, at $23,700.

Kalamazoo, Mich.—Bids will be received until 5 p.m., May 3, for constructing 20,000 sq.yd. of asphaltic concrete pavement and for 613,000 paving blocks. C. L. Miller is City Clk.

✚**Evanston, Ill.**—The contract for paving portions of Colfax and Bennett Ave. has been awarded to H. G. GOELITZ, at $12,550.

✚**Le Roy, Ill.**—The contract for paving Center and Chestnut St. has been awarded to CURDIE & WOLFE, Alton, Ill., at $67,775.

Paris, Ill.—(Official)—All bids received Apr. 23 for constructing 13,200 lin.ft. of gravel and four concrete culverts on the Cherry Point Rd. have been rejected. Bids will be readvertised. Noted Apr. 15.

Springfield, Ill.—(Official)—Bids will be received until 11 a.m., May 5, by the State Highway Commission for road construction in Ford Pike, Shelby, and Bureau Counties.

✚**Milwaukee, Wis.**—(Official)—Contracts have been awarded for paving various streets to F. P. CAUGHLIN, 534 Streets Exchange Bldg., Chicago, Ill., $25,427; BADGER CONSTRUCTION CO., 1006 Railway Exchange Bldg., Milwaukee, $33,759, and the WHITE CONSTRUCTION CO., 1015 Railway Exchange Bldg., Milwaukee, $37,560. Noted Apr. 15.

New London, Wis.—C. J. Thompson, City Clk., will receive bids until May 10 for the construction of approximately 1½ miles of 16-ft. tarvia pavement on crushed stone base on the Shawano Rd.

Oconto, Wis.—Bids will soon be received by the Common Council for laying about 14,000 sq.yd. of brick, asphalt or bituminous macadam pavement. B. Mulvaney is City Clk.

Sheboygan, Wis.—Bids will be received until Apr. 30 by the Board of Public Works for constructing approximately 40,000 sq.yd. of reinforced-concrete pavement.

Grinnell, Iowa—(Official)—Bids will be received until 2 p.m., June 3, by A. C. Harriman, City Clk., for constructing 83,350 sq.yd. of paving, 64,770 lin.ft. of curb and gutter, 11,300 cu.yd. of grading and 29,000 lb. of castings. The Iowa Engineering Co., Clinton, Iowa, is Engr.-in-Charge.

Carlton, Minn.—Bonds for $65,000 have been sold, the proceeds of which will be used for constructing roads in Carlton County.

Duluth, Minn.—Press reports state that W. I. Prince, Mayor, has authorized the Duluth Engineering Co., Duluth, to make surveys for the extension of the boulevard from Fairmont Park to Fond du Lac, about seven miles.

✚**McPherson, Kan.**—A contract for paving about 32 blocks has been awarded to WATTS & AMERMAN, Salina, Kan., at $55,863.

✚**Ottawa, Kan.**—A contract for laying one mile of brick pavement has been awarded to A. L. COOK, at $26,781.

Topeka, Kan.—The Commissioners of Shawnee County contemplate constructing 1½ miles of brick-block pavement on Tenth St. and 1½ miles of brick pavement in West 17th St. O. K. Swayze is Clk. of Comrs.

Lincoln, Neb.—(Official)—An election will be held May 4 to vote on the proposition to issue $50,000 in bonds, the proceeds of which will be used for park extensions. Noted Apr. 15.

Fayette, Mo.—C. J. Rains, City Engr., will soon prepare plans for paving Church St.

Weston, Mo.—Plans are being prepared by Charles McCrae, 221 Reliance Bldg., Kansas City, for paving blocks.

McKinney, Tex.—(Official)—Bids will be received until noon, June 6, by the Commissioners' Court of Collin County for the sale of $665,000 in bonds, the proceeds of which will be used for constructing roads.

Yoakum, Tex.—An election will be held May 5 to submit to the citizens of District No. 1 of Lavaca County the question of issuing $50,000 in bonds, the proceeds to be used for road improvements.

Salt Lake City, Utah—Press reports state that the Board of City Commissioners plans to pave B St.

✚**Chehalis, Wash.**—T. B. BIDWELL, Portland, Ore., at $9724, has been awarded the contract for paving 1½ miles of road near Curtis, in Lewis County. Noted Apr. 8 and 22.

Ephrata, Wash.—Bids will be received until May 3 by the Commissioners of Grant County for constructing seven miles of permanent highway near Wheeler.

Ferndale, Wash.—The City Council contemplates paving a portion of Third St. at an estimated cost of $10,000.

Portland, Ore.—At an election held Apr. 14 the citizens voted in favor of issuing $1,250,000 in bonds, the proceeds to be used for road construction in Multnomah County. Noted Apr. 1.

Bakersfield, Calif.—Bids will be received by the Board of Supervisors, P. H. Everett, Ch. Engr., until 10 a.m. May 5, for grading and constructing culverts on Division 9, Section 3, of the Bakersfield-Glenville Rd. The road is 5.4 miles long.

✚**Concord, Calif.**—The City Trustees have awarded a contract for the paving of 18 blocks of new streets to the MUNICIPAL IMPROVEMENT CO., Richmond, Calif., at $20,789.

Eagle Rock, Calif.—The Board of Trustees contemplates the improvement of Central Ave. The estimated cost of the work is $30,000.

✚**East San Diego, Calif.**—G. R. DALEY, San Diego, has been awarded the contract at $48,168 for improving 6000 lin.ft. of Hugo Ave. and cross streets. Noted Apr. 1.

Los Angeles, Calif.—Bids will be received by the Board of Supervisors until 2 p.m., May 3, for county road improvement in District No. 35. The estimated cost is $21,395.

✚**Los Angeles, Calif.**—The contract for improving 22d St. from Hoover St. to Vermont Ave. has been awarded to the CALIFORNIA CONSTRUCTION CO., 717 Brockman Bldg., at $14,387.

Los Angeles, Calif.—Bids will be received by the Board of Supervisors until 2 p.m., May 3, for county road improvement in District No. 36. The estimated cost is $40,327.

✚**Redwood City, Calif.**—The Board of Supervisors of San Mateo County has awarded a contract for road work near Redwood City to the DUNCANSON-HARRELSON CO., San Francisco, at $29,947.

✚**Sacramento, Calif.**—The California Highway Commission has awarded contracts for road construction as follows: In Yolo County, between Yolo bypass and the Sacramento River, to JOSEPH LAWRENCE, Broderick, at $24,205; in Tulare County, between Goshen and Traver, to W. A. KETTLEWELL & SONS, Sanger, at $34,761; in Tulare County, between Traver and the northerly boundary, to W. A. KETTELWELL & SONS, at $29,123, and in Yuba County, between Morrison's Crossing and the southerly boundary, to E. E. RODDEN & SON, Wheatland, at $19,985. Noted Mar. 25 and Apr. 22.

San Francisco, Calif.—This city will construct a highway through Bernal Cut from Randall St. to San José Ave. to cost about $100,000.

✚**Santa Barbara, Calif.**—(Official)—The contract for improving Moreno Rd., Grand Ave. and Valerio St., has been awarded to the MUNICIPAL IMPROVEMENT CO., at $31,138. Noted Mar. 4.

✚**Santa Barbara, Calif.**—(Official)—The contract for improving Emerson Ave. and Orena St. has been awarded to the MUNICIPAL IMPROVEMENT CO., San Francisco, at $10,347.

✚**Santa Cruz, Calif.**—The City Council has awarded a contract for street paving to W. E. MILLER, Santa Cruz, at $11,175.

✚**Sausalito, Calif.**—The City Trustees have awarded a contract for paving the business section to CLARK & HENERY, at $44,120.

Stockton, Calif.—The Board of Supervisors of San Joaquin County will soon receive bids for macadamizing about eight miles of Howard Rd. The estimated cost is $35,000.

Westmount, Que.—(Montreal post office)—The City Council has appropriated $49,480 for street and road improvements.

Ottawa, Ont.—Plans are now completed by the Ontario Government for extensive road construction in Northern Ontario. The expenditure this season will be $615,000. The sum of $90,000 will be devoted to a highway along the route of the Timiskaning & Northern Ontario Ry., and $75,000 for a road will be constructed from Sturgeon Falls to Sudbury. Apportionments for road-building are also made to various districts as follows: Rainy River, $35,000; Kenora, $25,000; Port Arthur, $40,000; Ft. William, $50,000; Sault Ste Marie, $50,000; Sudbury, $40,000; North Bay, $50,000; Nipissing, $35,000; Haileyburg & South Lorrain, $55,00; other roads, $102,000.

INDUSTRIAL WORKS

Newfield, Maine—The Newfield Poultry Trade Mfg. Co., recently incorporated with a capital of $200,000, will build a three-story, 100x150-ft. factory on the Little Ossipee River. Joseph Neal is Pres.

Nashua, N. H.—(Official)—The Nashua Mfg. Co. has awarded the contract to the TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y., for the construction of a nine-story, 100x250-ft., reinforced-concrete warehouse. C. Makepeace, Butler Exchange Bldg., Providence, R. I., is Arch.

Everett, Mass.—The Frank W. Kimball Oil Co., 120 Pearl St., Boston, Mass., will build a warehouse to cost $50,000.

Fall River, Mass.—Stevens Mfg. Corporation, Russell St., will construct a two-story, 67x89-ft. storage building. Edward I. Marvel, 57 North Main St., is Arch.

✚**Worcester, Mass.**—The Morgan Spring Co. has awarded the contract for the construction of a four-story, 72x80-ft., brick factory on West Boylston St., to the E. J. CROSS CO., 82 Foster St.

Hartford, Conn.—The Hartford Machine Screw Co. will build a five-story, 50x206-ft. factory, to cost $75,000.

✚**Thomaston, Conn.**—(Official)—The Seth Thomas Clock Co., Thomaston, Conn., has awarded the contract to the TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y., for the construction of a four-story, 60x240-ft. factory, and a four-story, 52x52-ft. office building, both of reinforced concrete. Lockwood, Greene & Co., 60 Federal St., Boston, Mass., is Arch.

✚**Ballston Spa, N. Y.**—The LEWIS & BURROUGHS CO., INC., Schenectady, N. Y., has been awarded the contract for the construction of three factories; 56x155 ft., 14x80 ft., and 64x90 ft. C. G. Van Rensselear, Schenectady, N. Y., is Arch.

Buffalo, N. Y.—Schoelkopf, Hartford & Hanna contemplate the construction of a plant, estimated to cost $500,000.

Buffalo, N. Y.—George Schantz, Arch., Ellicott Square Bldg., has completed plans and is taking bids for a two-story, 78x78-ft. cooler, for the C. Klinck Packing Co., Depot St. and Erie R.R. It will cost $20,000.

Buffalo, N. Y.—The Fedders Mfg. Co. has obtained a permit and will construct a two-story factory addition to its plant at 53 Tonawanda St., to cost $17,000.

Le Roy, N. Y.—The Leroy Salt Co. will build a three-story, 75x80-ft. refinery. George Schantz, Ellicott Square Bldg., Buffalo, N. Y., is Arch.

✚New York, N. Y.—(Borough of Bronx)—JOHN McADAM & CO., 29 West 34th St., has been awarded the contract for the construction of a 50x182-ft. garage for the Prospect Garage Co., to cost $40,000. George Grass, Prospect Ave., near 164th St., is Pres. Benjamin W. Levitan, 20 West 31st St., is Arch.

New York, N. Y.—(Borough of Brooklyn)—The Fred Gretsch Mfg. Co., South Fourth St., plans to construct a ten-story, 80x250-ft. factory to cost $500,000. William Higginson, 17 Park Row, New York, N. Y., is Arch.

New York, N. Y.—(Borough of Brooklyn)—The Sheffield Farms, Slawson-Decker Co. will build a three-story, 100x252-ft. creamery, estimated to cost $125,000. Frank A. Rooke, 489 Fifth Ave., New York, N. Y., is Arch.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Work will start June 1 on the four-story, 80x100-ft. pasteurizing plant and office building for the R. F. Stevens Co., Third Ave. and Dean St. The estimated cost is $140,000. Albert Ullrich, 371 Fulton St., is Arch. Noted Apr. 22.

New York, N. Y.—(Borough of Manhattan)—Louis W. Morrison, 53 Exchange Pl., will build a three-story garage to cost $20,000. Homer A. Reid, 315 Fifth Ave., is Arch.

New York, N. Y.—(Borough of Manhattan)—Plans have been filed by Elliott Lynch, Arch., 341 Fifth Ave., for the construction of a four-story garage at 110 West End Ave., for Louis Richard. The estimated cost is $40,000.

New York, N. Y.—(Borough of Queens)—Rosenwasser Bros., who recently took possession of the Steinway plant, will build a three-story brick addition to the plant at a cost of $15,000.

✚Perry, N. Y.—The Kaustine Co., Inc., Ellicott Square Bldg., Buffalo, N. Y., has awarded the contract for the construction of a factory to MORRIS & ALLEN, Builders Exchange Bldg., Buffalo, N. Y. It will cost $10,000.

Port Chester, N. Y.—(Official)—F. R. Davis, Treas., Wilford Hall Laboratories, advises us that plans for rebuilding have been deferred until about May 15. Noted Apr. 22.

✚Rochester, N. Y.—The Henry Connolly Co., 42 Stone St., has awarded the contract to A. FRIEDERICK & SONS, 106 Mill St., for the construction of a two-story, 90x100 ft. building on Elizabeth St. It will cost $32,000. McCord & Ives, Powers Bldg., is Arch.

✚Bridgeton, N. J.—Greenebaum Bros., 1030 South 10th St., Philadelphia, Penn., has awarded the contract to SMITH-HARDICAN CO., 1606 Cherry St., for the construction of a one-story, 93x200-ft. factory, to cost $15,000. Sauer & Hahn, 1112 Chestnut St., Philadelphia, Penn., is Arch. Noted Mar. 25.

Collingswood, N. J.—The Enterprise Wall Paper Co. will rebuild its two-story brick structure recently destroyed by fire. It will cost $30,000. William Steele & Sons, 1600 Arch St., Philadelphia, Penn., is Arch.

Elizabeth, N. J.—The Midvale Chemical Co., St. Louis, Mo., will build a $200,000 plant.

✚Jersey City, N. J.—The Nagle Packing Co., 663 Henderson St., has awarded the contract for the construction of a five-story, 60x204-ft. packing house, to the M. T. CONNOLLY CONTRACTING CO., 238 17th St., at $94,684. David M. Ach, 1 Madison Ave., New York, N. Y., is Arch. Noted Jan. 28.

Paterson, N. J.—Quackenbush & Son, 122 Van Houten St., will build a two-story, 40x129-ft. addition to its carriage factory, to cost $13,000. Fred Wentworth, Arch., 140 Market St., is receiving bids.

Perth Amboy, N. J.—The Chesebrough Mfg. Co., E. L. Goodley, Supt., will build a four-story, 36x80-ft. vaseline factory, at an estimated cost of $40,000. Ring, Cleaves, Graham Co., 280 North Broad St., Elizabeth, N. J., is Arch.

Dunkirk, Penn.—The Essex Glass Co., Mt. Vernon, Ohio, plans to build a factory at Dunkirk at an estimated cost of $45,000.

✚Frankford, Penn.—(Philadelphia post office)—HORACE H. BURRELL has been awarded the contract for the construction of a one-story, 50x276-ft. brick building at Tacony and Lewis St. for William & Harvey Rowland, Inc. Ballinger & Perrott, 1328 Broadway, New York, N. Y., is Arch. Noted Mar. 25.

Hazelton, Penn.—The Hazelton Bleach Works will construct a two-story, 50x100-ft. factory to cost $25,000. W. E. S. Dyer, Land Title Bldg., Philadelphia, is Arch.

Lebanon, Penn.—Burden Bros. contemplates the construction of a two-story, 50x50-ft. ice cream factory, to cost $20,000. Howere & Howere, 829 Cumberland St., is Arch.

✚Philadelphia, Penn.—WILLIAM STEELE & SONS CO., 1600 Arch St., has been awarded the contract for the construction of a 43x59-ft., and a 30x30-ft. addition to the ice plant of G. C. Schlegelmilche, Germantown and East School Lane. Koelle, Spath & Co., 26th and Oxford St., is Arch. The estimated cost is $20,000.

✚Philadelphia, Penn.—Fretz, Gross & Co., 22d and Sedgley Ave., has awarded the contract to FRANK K. STAHL, 2713 North Park Ave., for the construction of a two-story, 75x121-ft. factory, to cost $17,000. Peter Kuhn, 3058 North Eighth St., is Arch.

✚Philadelphia, Penn.—William B. Lewis, 1518 Market St., has awarded the contract to SMITH-HARDICAN CO., 1606 Cherry St., for the construction of a three-story, 20x90-ft. building, to cost $16,000. Henon & Boyle, 10 South 18th St., is Arch.

✚Philadelphia, Penn.—The West Electric Hair Curler Co. has awarded the contract to E. HOLLENBACK, 15th and Race St., for the construction of a two-story, 59x128-ft. factory, to cost $25,000. Robert W. Pollock, 1802 Chestnut St., is Arch.

✚Philadelphia, Penn.—The Hess-Bright Mfg. Co., Second and Erie Ave., has awarded the contract to HARRISON C. REA, 1029 Wood St., for the construction of a one-story, 40x180-ft. machine shop to cost $35,000. Watson & Huckle, 1211 Walnut St. is Arch. Noted Oct. 15.

Philadelphia, Penn.—Oehrle Bros., 423 North Third St., will build a four-story brick addition to its factory.

Pittsburgh, Penn.—The Columbia Ice Co. has acquired a site on Hamilton Ave., and will build a $30,000 plant.

Scranton, Penn.—The Delaware & Hudson Co. will erect a cold-storage plant to cost about $100,000. F. D. Anthony, Albany, N. Y., is Constr. Engr.

✚Baltimore, Md.—The CONSOLODATED ENGINEERING CO., Calvert Bldg., has been awarded the contract for the construction of a three-story, 18x65-ft. warehouse for Isaac J. Schlessinger, 2011 Madison Ave. J. C. Spedden, 1640 Hanover St., is Arch. The estimated cost is $15,000.

✚Baltimore, Md.—The Hudson Cement & Supply Co., Western Maryland R. R. and Third St., has awarded the contract for the construction of two warehouses to the CONSOLIDATED ENGINEERING CO., Calvert Bldg. The estimated cost is $20,000.

✚Lagrange, Ga.—The Meritas Mills has awarded the contract for the building of its cotton warehouse to T. C. THOMPSON & BROS.

Birmingham, Ala.—The United States Cast Iron Pipe & Foundry Co. will build an addition to its plant, to cost $100,000.

Birmingham, Ala.—(Official)—Work will soon be started on a five-story, 68x120-ft., reinforced-concrete cold-storage plant for the Birmingham Ice Factory Co. The estimated cost is $75,000. D. I. Davis, 431 South Dearborn St., Chicago, Ill., is Arch.

Selma, Ala.—Selma Oil, Ice & Fertilizer Co. will improve its plant on Franklin St., at an expenditure of $30,000.

Natchez, Miss.—Plans have been prepared by M. R. Carpenter, Arch., 2916 Webster Ave., Cincinnati, Ohio, for the construction of a cold-storage plant for the Natchez Fish Co.

Memphis, Tenn.—Pritchard Bros. is receiving bids for the construction of a two-story warehouse, to cost $25,000. G. M. Shaw & Co., Tennessee Trust Bldg., is Arch.

✚Memphis, Tenn.—The [illegible]-Cola Bottling Co. has awarded the contract to CHAF[illegible]ER and A. B. LANNING, for the construction of [illegible] 60x148-ft. building, to cost $15,000. R. L. Hood is Pres. [illegible] Gen. Mgr. William B. Boone is Arch.

Ft. Thomas, Ky.—The Highland Elm Corporation contemplates the construction of a plant to cost $1,000,000. James T. Ford is Pres.

✚Louisville, Ky.—The COMBS LUMBER CO. has been awarded the contract for the construction of a roundhouse, repair shops, and other auxiliary buildings for the Chesapeake & Ohio R.R. The estimated cost is $100,000.

✚Cincinnati, Ohio—The National Lead Co., Freeman Ave., has awarded the contract to the FERRO CONCRETE CONSTRUCTION CO. for the construction of a $40,000 addition to its plant.

✚Cincinnati, Ohio—The R. K. Le Blond Machine Tool Co., 4609 Eastern Ave., has awarded the contract for the addition to its plant to the L. EID CONCRETE STEEL CO., 1206 West Liberty St. Zettle & Rapp, 607 Johnston Bldg., is Arch. Noted Apr. 22.

✚Cleveland, Ohio—The American Ship Building Co. has awarded the contract to the CROWELL-LUNDOFF-LITTLE CO., 1957 East 55th St., for the construction of three buildings, estimated to cost $160,000.

Cleveland, Ohio—Mrs. Amanda Corlett, 1020 Rockefeller Bldg., will build a three-story, 100x152-ft. auto sales and garage building. W. S. Ferguson Co., 615 Euclid Bldg., is Arch.

Mt. Vernon, Ohio—The Essex Glass Co. will build a $50,000 factory this spring.

✚Indianapolis, Ind.—The Bedford Stone & Construction Co. has awarded the contract to the WASHINGTON & MERIDAN CONSTRUCTION CO. for the construction of a ten-story shop and office building. Henry Kahn is Pres.

Chicago, Ill.—Hill, Clark & Co., 125 North Canal St., will build a warehouse at 2100 Kilbourn Ave., at an estimated cost of $80,000. Lockwood & Wells is Arch.

Chicago, Ill.—The Western Plumbing Supply Co., 119 North Desplaines St., will build a three-story brick warehouse on Fillmore St. The estimated cost is $60,000.

Chicago, Ill.—The American Film Co. has obtained a permit and will erect a two-story factory at 6227 Broadway, to cost $30,000. Hatzfield & Knox, 7 South Dearborn St., is Arch.

✚Chicago, Ill.—The Weller Mfg. Co., 1834 Kostner Ave., has awarded the contract for the construction of a two-story, 50x250-ft. warehouse and office building, to the STODDARD CONSTRUCTION CO., 343 South Dearborn St. R. A. Kirkpatrick is Arch.

✚Chicago, Ill.—Bauer & Black, Dearborn Ave. and 25th St., has awarded the contract for the construction of a three-story warehouse to JAMES SHEDDEN & CO., 106 North La Salle St. The estimated cost is $20,000. Holabird & Roche, 104 South Michigan Ave., is Arch.

✚Chicago, Ill.—The National Biscuit Co., 409 West 15th St., New York, N. Y., and 110 North Morgan St., Chicago, Ill., has awarded the contract to JOHN GRIFFITHS & SONS CO., 112 West Adams St., for the construction of a two-story, 140x350-ft. warehouse, estimated to cost $250,000. J. R. Torrance, 409 West 15th St., New York, N. Y., is Arch. Noted Mar. 25.

✚Peoria, Ill.—E. Lehman, Federal Warehouse Co., 113 South Water St., has awarded the contract to V. JOBST & SONS, for the construction of a seven-story, 166x200-ft. warehouse, to cost $200,000. Reeves & Baillie, 732 Jefferson Bldg., is Arch.

Madison, Wis.—The Union Transfer & Storage Co. will construct a seven-story, 95x157-ft. warehouse to cost $110,000. S. H. Dunford, Arch., 10 South La Salle St., will receive bids about May 10.

Madison, Wis.—Moares & Dunford, Arch., 10 South LaSalle St., Chicago, Ill., is preparing plans for a seven-story, 95x157-ft. reinforced-concrete and brick warehouse, for the Union Transfer & Storage Co. Bids will be received about May 10.

Milwaukee, Wis.—Herbst & Hufschmidt, Arch., 721 Caswell Block, is receiving bids for the construction of a two-story, 60x120-ft. factory for H. Marks, at 31st. St. and North Ave.

Davenport, Iowa—The Crescent Macaroni & Cracker Co. will build a $100,000 factory. Clausen & Kruse, 315 Central Bldg., is Arch.

Duluth, Minn.—Bids will be received until May 15 by F. G. German, Arch., for the construction of a four-story, 160x240-ft. warehouse for the Terminal Realty Co. The estimated cost is $250,000.

Duluth, Minn.—German & Jenssen, Arch., 411 American Exchange Bank Bldg., has prepared plans and is receiving bids for a two-story, 51x110-ft. garage for G. A. Tomlinson, 700 Board of Trade Bldg.

Duluth, Minn.—W. M. Brindler & Co., Lonsdale Bldg., will construct a two-story, 50x115-ft. garage, to cost $20,000. W. T. Bray, Arch., 1200 Fidelity Bldg., is receiving bids.

Duluth, Minn.—The Gowan, Lenning, Brown Co., Fifth Ave., W., will construct a six-story, 160x260-ft. warehouse, to cost $300,000. F. G. German, 411 American Exchange Bank Bldg., is Arch. Noted June 18.

Minneapolis, Minn.—Plans have been prepared and bids will be received by Bertrand & Chamberlain, Arch., 617 Northwest Bank Bldg., for the construction of a five-story warehouse for the New England Furniture Co. The estimated cost is $200,000.

Argentine, Kan.—(Official)—The Atchison, Topeka & Santa Fé Ry. Co. will build an addition to its grain elevator, increasing the capacity by 2,000,000 bu. John S. Metcalf Co., 108 South La Salle St., Chicago, Ill., is Arch.

Pittsburg, Kan.—The Pittsburg Wholesale Candy Co. will build a three-story, 51x70-ft. factory, to cost $12,000. J. R. Hinkle, 105 West Fourth St., is Mgr. Albert Callire, 318 Globe Bldg., is Arch.

Winfield, Kan.—The Winfield Wholesale Grocery Co. will construct a two-story, 100x140-ft. warehouse, to cost approximately $30,000. C. E. Hair & Co., Oklahoma, Okla., is Arch.

Lincoln, Neb.—The Carter Transfer & Storage Co., 301 North Eighth St., will construct a four-story storage warehouse, estimated to cost $80,000. Jesse B. Miller, 426 Little Bldg., is Arch.

Omaha, Neb.—The World Herald Publishing Co., 1412 Farnam St., will receive bids about May 1 for the construction of an eight-story, 66x132-ft. building, to cost $300,000. Thomas R. Kimball, 503 McCoyne Bldg., is Arch.

✚Omaha, Neb.—L. G. Doup, 13th and Nicholas St., has awarded the contract to NEWMAN & JOHNSON for the construction of a four-story, 66x128-ft. warehouse, at an estimated cost of $60,000. Noted Apr. 1.

Kansas City, Mo.—The Burdett Mfg. Co., J. C. Gosnell, 1414 East Ninth St., Pres., will build a three-story, 140x140-ft. factory. F. C. Gunn is Arch.

St. Joseph, Mo.—The St. Joseph Viscosity Refining Co. will construct a $45,000 steel oil refinery. Adebert Simmons is Gen. Mgr.

St. Louis, Mo.—P. J. Bradshaw, Arch., Liggett Bldg., is receiving bids for the construction of a one-story, 160x165-ft. warehouse.

Dallas, Tex.—The Nelson Morris Packing Co., Chicago, Ill., and Oklahoma City, Okla., will build a $60,000 plant at Broom and Carter St. Z. J. Bath, Adolphus Hotel, is in charge.

Glencove, Wash.—Robert B. McClary, Bellingham, Wash., is interested in a project to erect a salmon cannery at Glencove.

Seattle, Wash.—The Salmon Bay Packing Co., headed by P. Manson, 2407 Boylston Ave., has been incorporated for the construction of a fish cannery at Loyal Heights, a suburb of Seattle.

Seattle, Wash.—The Ferris Auto Repair Co., 101 Broadway, N., plans the construction of a one- and two-story, 80x127-ft. reinforced-concrete garage at Broadway, N., and Denny Way. The estimated cost is $125,000.

Seattle, Wash.—The Tucker-Hanford Co. will build a one-story printing plant, at an estimated cost of $16,000. Bebb & Gould, Denny Bldg., is Arch.

Tacoma, Wash.—According to reports, the Glacier Fisheries Co. contemplates the construction of a $500,000 ice manufacturing and cold-storage plant. E. A. Sims, Port Townsend, is interested.

Albany, Ore.—C. O. Anderson contemplates the construction of a jewelry manufacturing plant.

✚Portland, Ore.—The contract for the construction of a four-story mill at Broadway and Davis St. for the J. M. Leavitt & Co., has been awarded to A. C. MEYER. The estimated cost is $40,000. Jacobberger & Smith is Arch.

✚The Dalles, Ore.—Libby, McNeal & Libby Co., Chicago, Ill., has awarded the contract for the construction of its $60,000 canning factory to FRANK LEONARD, Portland, Ore.

Castella, Calif.—The Burns Lumber Co. will build a box factory at an estimated cost of $35,000.

San Francisco, Calif.—(Official)—The Chief Engineer of the California Fruit Canners Association, advises us that a site has been acquired but no plans have been developed as yet for the construction of a cannery. Noted Apr. 15.

San Francisco, Calif.—The Seattle Brewing & Malting Co., Grant St., Seattle, Wash., plans the construction of a plant at Alameda and Bryant St., to cost $750,000. Carl Siebrand is Arch.

✚San Francisco, Calif.—The contract for the construction of the plant on Bryant St. for the Rainier Brewing Co., has been awarded to the SOUND CONSTRUCTION CO., at $538,913.

FEDERAL GOVERNMENT WORK

Quarantine Station—Portland, Maine—Bids were received Apr. 20, by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of steerage barracks in connection with the quarantine station at Portland, as follows: Charles E. Currier Co., Boston, Mass., $69,000; F. A. Rumery Co., Portland, $69,216; King Lumber Co., Charlottesville, Va., $72,813; Otto Nelson Co., Bangor, $82,325; J. Kresse Co., New York, N. Y., $53,900; T. J. Moreau & Co., Lewiston, $92,400; W. H. Fissel & Co., New York, N. Y., $75,445; Forgiole & Romano Co., Portland, $71,729; C. M. Leach, Boston, Mass., $79,873; Mahoney Construction Co., Portland, $68,810; Westchester Engineering Co., White Plains, N. Y., $74,779 and Sacco & Wood, Portland, $79,438. Noted Mar. 8 and 25.

Pattern Shop Floor—Boston, Mass.—Bids will be received until 11 a.m., May 15, by H. R. Stanford, Ch., Bureau of Yards and Docks, Navy Dept., Washington, D. C., for furnishing in place steel work for a pattern shop floor, Navy Yard, Boston.

✚Repairs, Marine Hospital—Boston, Mass.—The contract has been awarded to WILLIAM M. FLYNN, West Roxbury, at $7204, for making repairs to the U. S. Marine Hospital, Boston.

✚✚Dredging—Buffalo, N. Y.—The contract has been awarded to A. E. BREYMANN, Toledo, Ohio, at $38,850, for dredging in the Niagara River. Noted Mar. 18 and Apr. 22.

Boat Landing and Crane—Rondout, N. Y.—Bids will be received until 2 p.m., May 15, by J. T. Yaes, Lighthouse Inspector, Tompkinsville, N. Y., for constructing a boat landing and installing a boat crane at Rondout North Dike, Light station, Rondout.

★Moving Guard Station—Sandy Hook, N. J.—(Ft. Hancock post office)—Bids will be received until 2 p.m., May 26, by the U. S. Coast Guard, Treasury Dept., Washington, D. C., for moving and altering the Sandy Hook Coast Guard Station. E. P. Bertholf is Capt.

★Building—Pittsburgh, Penn.—Bids will be received until noon, May 21, by Capt. Harold C. Fiske, U. S. Engineer Office, Pittsburgh, for building two lockkeepers' houses at Dam No. 1, Monongahela River.

✚Mechanical Equipment—Pittsburgh, Penn.—The contract for the mechanical equipment for the Bureau of Mines Experiment building at Pittsburgh has been awarded to the STANDARD ENGINEERING CO., Woodward Bldg., Washington, at $63,650. Noted Mar. 18 and Apr. 22.

★Rewiring—Washington, D. C.—Bids will be received until 2 p.m., May 11, by the Secretary of the Interior, Dept. of Interior, Washington, D. C., for rewiring the third floor and galleries of the Patent Office, Seventh and F. St., N. W.

Rewiring—Washington, D. C.—Bids were received Apr. 20, by the Chief Clerk of the Post Office Department, Washington, D. C., for rewiring the Post Office Department Building, Washington as follows: Capitol Electric Co., Washington, D. C., $26,900; J. E. Taylor, Inc., Washington, D. C., $19,900; E. S. Downs & Co., Philadelphia, Penn., $17,987; Carroll Electric Co., Washington, D. C., $24,029; W. G. Cornell & Co., Washington, D. C., $24,628; Reading Electric Co., Reading Penn., $28,000; Howard P. Foley Co., Washington, D. C., $23,649 and Charles F. Brown, 515 East 78th St., New York, N. Y., $16,494.

Sewers—Washington, D. C.—Bids were received by the Commissioners of the District of Columbia for the construction of sewers in the District as follows: (a) ordinary excavation, (b) concrete masonry, (c) vitrified brick masonry, (d) sewer brick masonry: Warren F. Brenizer Co., (a) $0.70, (b) $6.50, (c) $21, (d) $12; William F. Cush, (a) $0.69, (b) $7, (c) $22, (d) $14; George Hyman, (a) $0.30, (b) 8.50, (c) $20, (d) $13; Whiting-Turner Construction Co., Baltimore, Md., (a) $0.91, (b) $8, (c) $22, (d) $15. Above bidders are of Washington unless other wise stated. Noted Apr. 15.

★Paving—Washington, D. C.—Bids will be received until 2 p.m., May 21, by the Secretary, Board of Commissioners, for paving various streets with sheet asphalt.

★Paving—Washington, D. C.—Bids will be received until 2 p.m., May 21, by the Secretary, Board of Commissioners for paving various streets with asphalt-block.

★Steel Lock Gates—Wheeling, W. Va.—Bids will be received until 11 a.m., May 18, by Maj. T. H. Jackson, Wheeling, for furnishing steel lock gates at Dams Nos. 12 and 20, Ohio River.

Cement—Wheeling, W. Va.—Bids will be received until 11 a.m., May 8, by Maj. T. H. Jackson, U. S. Engineer Office Wheeling, for furnishing 46,000 bbl. of American portland cement for Dams Nos. 21 and 22, Ohio River.

Building—Wilmington, N. C.—Bids were received Apr. 19 by the Supervising Architect, Treasury Dept., Washington, D. C., for constructing medical officers' quarters at the U. S. Marine hospital as follows: Morton & Cox, Wilmington, $5600; C. E. Dunnavante, Portsmouth, Va., $10,243 and Robert Tucker, Wilmington, $7900. Noted Apr. 1.

★Cement—Wilmington, N. C.—Bids will be received until noon, May 26, by Maj. H. W. Stickle, U. S. Engineer Office, Wilmington, for furnishing 22,000 bbl. of portland cement.

★Stone—Wilmington, N. C.—Bids will be received until 1 p.m., May 26, by Maj. H. W. Stickle, U. S. Engineer Office, Wilmington, for furnishing 19,700 tons of crushed stone.

★Steel Lighters—Savannah, Ga.—Bids will be received until noon, May 26, by Col. W. C. Langfitt, Savannah, for constructing two steel lighters.

✚Post Office—Live Oak, Fla.—The contract has been awarded to WILLIAM H. FISSELL & CO., 1133 Broadway, New York, N. Y., at $47,500, for constructing a post office at Live Oak. Noted Feb. 25 and Apr. 1.

✚Post Office—Cookeville, Tenn.—The contract for constructing the U. S. post office at Cookeville has been awarded to W. H. FISSELL & CO., St. James Bldg., New York, N. Y., at $81,840.

★Steel Hull—Louisville, Ky.—Bids will be received until noon, May 19, by Maj. J. C. Oakes, U. S. Engineer Office, Louisville, for a steel hull for dredge "Nolin River."

★Metalwork—Ashtabula, Ohio—Bids will be received until 2 p.m., May 12, by the Lighthouse Inspector, Buffalo, N. Y., for furnishing metalwork for superstructure of Ashtabula West breakwater light station, Ashtabula Harbor.

Post Office—Toledo, Ohio—Bids were received Apr. 23, by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the remodeling of the post office at Toledo, (a) excluding work on the third and fourth stories, (b) work on the third and fourth stories, (c) total as follows: Bright Construction Co., Toledo, Ohio, (a) $15,529, (b) $14,413; Frank M. Weakley, Canton, Ohio, (a) $18,280, (b) $10,839, (c) $26,119; Schmidt-Harwood Co., Toledo, Ohio, (a) $21,080, (b) $6900; John G. Unkefer & Co., Minerva, Ohio, (a) $18,051, (b) $7000 and Neptune B. Smyth, Inc., New York, N. Y., (a) $21,898, (b) $14,215. Noted Mar. 18.

★**Cribs and Superstructures**—Harbor Beach, Mich.—Bids will be received until noon, May 20, by Lieut.-Col. Mason M. Patrick, for constructing and placing two timber cribs and replacing with concrete, timber superstructure at the breakwater, Harbor Beach. Noted Apr. 15.

★**Stone Riprap**—Harbor Beach, Mich.—Bids will be received until noon, May 19, by Lieut.-Col. Mason M. Patrick, Federal Bldg., Detroit, Mich., for furnishing and placing stone riprap along lake face of the main breakwater, Harbor Beach. Noted Apr. 15.

Dredging—Keweenaw Bay, Mich.—Bids will be received until 10 a.m., May. 4, by Maj. E. D. Peek, U. S. Engineer Office, Duluth, Minn., for dredging in Ontonagon Harbor and waterway across Keweenaw Point, Mich.

★**Lock Improvement**—Sault Ste. Marie, Mich.—Bids will be received until noon, May 24, by Lieut.-Col. Mason M. Patrick, Federal Bldg., Detroit, Mich., for constructing concrete masonry for fourth lock at Sault Ste. Marie. Noted Apr. 15.

★**Dike and Revetment**—Glasgow, Mo.—Bids will be received until noon, May 20, by Lieut.-Col. Herbert Deakyne, U. S. Engineer Office, Kansas City, Mo., for constructing about 2250 ft. of standard 3-row timber dike and about 12,000 ft. of standard revetment on the Missouri River near Glasgow.

★**Dike**—Napoleon, Mo.—Bids will be received until noon, May 20, by Lieut.-Col. Herbert Deakyne, U. S. Engineer Office, Kansas City, Mo., for constructing about 5900 ft. of standard 3-row timber dike on the Missouri River near Napoleon.

★**Dike**—Waverly, Mo.—Bids will be received until noon, May 24, by Lieut.-Col. Herbert Deakyne, U. S. Engineer Office, Kansas City, for constructing 5500 ft. of standard 3-row timber dike on the Missouri River.

★**Dike and Revetment**—Waverly, Mo.—Bids will be received until noon, May 24, by Lieut.-Col. Herbert Deakyne, U. S. Engineer Office, Kansas City, Mo., for constructing about 1000 ft. of standard 3-row timber dike and 5000 ft. of standard revetment on the Missouri River.

✚**Barracks, Kitchen and Storehouse**—Hot Springs, Ark.—Contracts have been awarded for constructing barracks kitchen and storehouse at the Army and Navy Hospital as follows: KELLY & BACHE, Leavenworth, Kan., at $19,180, for construction proper; M. B. SANDERS, Little Rock, Ark., at $5722, for plumbing and heating and to GEORGE T. SCHMELZEL, Hot Springs, Ark., at $718, for electric wiring. Bids were opened Mar. 20. Noted Mar. 11.

Post Office—Longview, Tex.—Bids will be received until 3 p.m., June 2, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing the U. S. post office at Longview.

Steel Towers—Point Isabel, Tex.—(Isabel post office)—Bids will be received until 11 a.m., May 29, by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., for two 300-ft. steel towers for the radio station at Point Isabel.

✚**Dormitory**—Tuba, Ariz.—The contract has been awarded to the HETZEL-WINGET CO., Los Angeles, Calif., at $25,300, for constructing a stone dormitory at the Western Navajo Indian School. Noted Mar. 11 and Apr. 15.

✚✚**Pumping Plant**—Seattle, Wash.—The contract has been awarded to R. D. WOOD & CO., Philadelphia, Penn., at $29,075, for constructing a pumping plant at Lake Washington canal locks. Noted Feb. 11 and Apr. 1.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., May 5, by Maj. F. C. Boggs, Gen. Pur. Agt., Panama Canal Comn., Washington, D. C., for furnishing miscellaneous supplies.

MISCELLANEOUS

Subway—Boston, Mass.—The Public Service Commission recently presented plans to the State Legislature, showing how it is possible to link the North Station with the South Station and give these terminals short and direct connection with the Boston, Revere Beach & Lynn R.R., and with the large docks in South Boston and East Boston. As the cost of putting this scheme into operation would be $30,000,000, it was submitted only for the purpose of showing a method of solving the transportation problem in that city.

Natatorium—Holyoke, Mass.—Bids will be received by the Board of Public Works until Apr. 30 for the construction of a swimming pool. John F. Sheehan is City Clk.

Motor Apparatus—Newport, R. I.—The City Council has passed an ordinance providing for the installation of motor apparatus in the fire department. Francis N. Fullerton is City Clk.

★**Seawall**—Bridgeport, Conn.—(Official)—Bids will be received by the Board of Park Commissioners until 1 p.m., May 10, for the construction of about 450 ft. of seawall. A. H. Terry is City Engr. B. F. Cooney is Clk., Board of Park Commissioner.

Subway—Buffalo, N. Y.—Bids will soon be asked by the Buffalo Grade Crossing Commission for the construction of a subway under the Pennsylvania R.R. at Lord and Smith St. A subway is also to be constructed at the Bailey Ave. crossing. G. B. Guthrie, Elliott Square Bldg., is Engr.

Dock and Retaining Wall—Buffalo, N. Y.—The Great Lakes Dredge & Dock Co., Morgan Bldg., Buffalo, submitted low bid at $38,250, for the construction of dock and retaining wall at Bird Island Pier. George H. Norton, Municipal Bldg., is City Engr.

Lumber—New York, N. Y.—(Borough of Manhattan)—(Official)—The following are the bids received by the Department of Docks and Ferries for furnishing and delivering 1,575,455 cu.ft. of lumber, the prices following being per 1000 ft. b.m.: Hirsch Lumber Co., 26 Beaver St., New York, $23.93; Standard Lumber Co., $24.95; J. A. Maloney, $25.45; J. H. Barton & Co., Inc., $28; Cooney Eckstein, $24.59; F. B. Haviland, $25.18; Atlantic Gulf Co., $25.80.

Locomotive Cranes—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by J. T. Fetherston, Comr. of Street Cleaning, Municipal Bldg., until noon, May 5, for furnishing and delivering four locomotive cranes.

Trucks—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by J. T. Fetherston, Comr. of Sheet Cleaning, Municipal Bldg., until noon, May 5, for furnishing 20 trucks, to be used in gathering paper and rubbish.

✚**Subway**—New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for the construction of Section No. 2 of Route No. 12 of the Eastern Parkway subway has been awarded to the INTER-CONTINENTAL CONSTRUCTION CO., 26 Cortlandt St., New York, at $2,744,263. Noted Apr. 1 and 22.

Corporation Yard—New York, N. Y.—(Borough of Manhattan)—(Official)—The following are the bids received for the construction of a corporation yard under the Manhattan Bridge, between Madison and Monroe St. A. V. Johnson & Co., $11,344; R. J. Mackey, $12,440; B. Diamond, $12,888; J. Kressl, 1133 Broadway, New York, $10,800; Tully & McGinis, $12,498; Gaspesini & DeBlasio, $12,815; W. Konop, $12,100; D. G. Pecora, $12,700; W. J. Marshall, $12,900; Winkler Construction Co., $11,180; Northern Cornice & Roofing Co., $10,998.

Lumber—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by J. T. Fetherston, Comr. of Street Cleaning, Municipal Bldg., until noon, May 6, for furnishing and delivering lumber.

★**Subway**—New York, N. Y.—(Borough of Brooklyn)—Bids will be received by the Public Service Commission for the First District, 154 Nassau St., New York, until May 18 for the construction of Section No. 2 of Route No. 49, a part of the Culver Rapid Transit R.R. A three-track elevated railroad, beginning at a point in Gravesend Ave. about 525 ft. south of Bay Parkway and extending southerly over Gravesend Ave. and Shell Rd. to a point about 525 ft. south of Ave. X is required.

Motordrome—New York, N. Y.—(Borough of Brooklyn)—According to recent press reports, the Sheepshead Bay Speedway Corporation has been incorporated with a capital of $2,500,000, for the purpose of constructing a large two-mile motordrome, also a large athletic field, and it is planned to purchase the Sheepshead Bay race track for this purpose. This corporation is composed of many prominent men in and around New York and a great many men who have interests in large automobile concerns. For the present, the company's offices are located in the Whitehall Bldg., New York. Everard Thompson, at present director of the Yale Bowl, is Gen. Mgr.

Drainage—Atlantic City, N. J.—The City Commissioners plan to extend the underground drainage system. Bonds for $100,000 will be issued for this purpose. John W. Hackney is City Engr.

Elimination of Grade Crossing—Cranford, N. J.—The Public Utility Commission has issued an order, to take effect May 15, to the Central R.R. of New Jersey, the Township of Cranford and the public utility companies involved, to eliminate the grade crossing at Union Ave. The work must begin by June 15 and must be completed within 18 months.

Fire Station—Jersey City, N. J.—The City Council is considering the construction of a fire station. Michael I. Fagen is City Clk.

Memorial—Newark, N. J.—By the provisions of a bill passed by the Legislature the citizens will vote at the general election next fall on the issuance of $150,000 in bonds for the erection of a permanent memorial of Newark's 250th anniversary.

Grandstand—Newark, N. J.—The Essex County Park Commission has approved plans for a grandstand at the race track in Weequahic Park to cost $68,000. If the Board of Chosen Freeholders fails to provide for the $68,000 expenditure in the next tax budget the matter will go over for a year.

Shelter Building—Newark, N. J.—The Essex County Park Commission has approved plans for a shelter building at Irvington Park, which will contain lockers, shower baths, etc. The estimated cost is $10,000. Bids will soon be received.

Shelter Station—North Bergen, N. J.—(Official)—Bids will be received until 2 p.m., May 6, by the Hudson County Park Commission, Exchange Pl., Jersey City, for the construction of a shelter and public comfort station at North Hudson Park.

Elimination of Grade Crossings—Paterson, N. J.—According to press reports, it will cost the Erie R.R. about $4,000,000 to eliminate all grade crossings in Paterson. The New Jersey Utilities Commission has ordered that the work be done but no time limit for completing the work has as yet been set.

✚**Retaining Wall and Fence**—Pittston, Penn.—The Board of School Directors of the Kosciusko School has awarded the contract for the construction of the retaining wall and fence at the school to HERMAN MAYLANDER, Wilkes-Barre, at $22,718.

✚**Swimming Pool**—Baltimore, Md.—The contract for constructing a swimming pool at Clifton Park has been awarded by the Board of Awards to HENRY A. BRANNAN, 4007 Bell Ave., Baltimore, at $25,900.

Drainage—Charlotte, N. C.—Bids will be received by James R. Alexander, Chn., Mecklenburg Drainage Comn., until noon, May 3, for the improvement of the McAlpine Creek Drainage District No. 1. The work provides for the dredging of seven miles of ditches, containing about 300,000 cu.yd., also 1200 lin.ft. of lateral ditches, containing about 12,000 cu.yd.

★✚**Track Material**—Jacksonville, Fla.—(Official)—Contracts have been awarded as follows by the Board of Port Commissioners for furnishing track material: Rails, MARYLAND STEEL CO., at $1.37 per 100 lb.; splice bars, MARYLAND STEEL CO., $1.70 per 100 lb.; bolts and spikes, LACKAWANNA STEEL CO., at $1.57 and $2.32 per 100 lb.; 40 turnouts, the KILBY FROG & SWITCH CO., at $66.35 each. F. W. Bruce is Chf. Engr. Noted Mar. 4.

✚**Drainage**—Jennings, La.—It is reported that the contract for the drainage of a portion of Grand Marias has been awarded to the LAKE ARTHUR DREDGING CO. and the HUDSON-NICHOLAS DREDGING CO. The total cost is about $100,000.

Drainage—Selmer, Tenn.—It is reported that the Nairy County Court has appointed J. W. Wood and F. M. Patton, Engr., Jackson, as Commissioners for the Big Owl Creek Drainage District. The contract for a drainage system will be awarded about May 20. The work includes the excavation of about 181,500 cu.yd. of earth.

Speedway—Cincinnati, Ohio—The Cincinnati Motor Speedway Co. has been recently organized with a capital of $500,000 for the purpose of building a speedway on the outskirts of the city. H. J. Edwards, Cincinnati, is Pres.

Greenhouses—Columbus, Ohio—Bids will be received by Carl E. Steeb, Secy., Bd. of Trustees, Ohio State University, until noon, May 18, for the construction of two greenhouses.

Recreation Building—Columbus, Ohio—Bids will be received by George A. Borden, Dir. Pub. Ser., City Hall, until noon, May 4, for the construction of a one-story and basement brick recreation building in Glenwood Park. Specifications may be obtained from J. A. Jones, Arch., Dispatch Annex Bldg., Columbus.

Ditch—Napoleon, Ohio—It is planned to build a ditch, 12 miles long, to be known as the Joseph S. Warren ditch. G. E. Rafferty is County Audr., and F. A. Daum, Napoleon, is Engr.

Ditches—Peru, Ind.—(Official)—Bids will be received by E. O. Deeds, Construction Comr., until 9 a.m., May 1, for the construction of several ditches.

✚**Drain**—Coldwater, Mich.—It is reported that the contract for constructing drains in Allegan and Barry Counties has been awarded to WEAGE & TYLER, Coldwater, at about $33,700.

✚**Recreation Building**—Chicago, Ill.—The contract for the construction of the recreation building and shelter on Pier No. 2, Harbor Dist. No. 1, has been awarded to PASCHON BROS., at $415,000. Noted Apr. 8 and 22.

✚**Concrete Retaining Wall**—Chicago, Ill.—(Official)—See item under "Sewers."

Ditch—Danville, Ill.—Bids will be received by the Drainage Commissioners of the Jamesburg Special Drainage District, until 11 a.m., May 22, for ditch work, requiring 12,285 cu.yd. of excavation, furnishing and laying 56,650 ft. of drain tile. J. F. Fisher, Garret Bldg., Danville, is Engr.

Pier—Milwaukee, Wis.—Frank P. Schumacher, Secy., Park Comn., will soon call for bids for the construction of the lake shore protection pier for the Lake Drive project. The cost is estimated at $30,000.

✚**Ditch**—Rockwell City, Iowa—The contract for the construction of Sac and Calhoun Ditch has been awarded to COSTEGAN & HOSS, Ft. Dodge, at $8012.

Municipal Improvements—Kansas City, Mo.—The City Council will soon call an election for the purpose of voting on the issuance of $4,560,000 in bonds. The budget provides for the following improvements: Grading and improving Union Station Park, $100,000; fire stations and equipment, $125,000; general hospital, $125,000; municipal farm, $125,000; Sixth St. traffic way, $450,000; sewers, $400,000; bridges and viaducts, $450,000; Union Station approaches, $700,000; garbage disposal, $300,000; police stations, $125,000; 12th St. viaduct traffic level, $200,000; improvement of existing parks, including Swope Park, $450,000; comfort stations, $40,000; 23d St. traffic way, $300,000; Chestnut Ave. viaduct, $25,000; subway under Robert Gillham Rd., at 23d St., $15,000; widening Brook St., $30,000; Blue Valley sewer, $500,000; Improvement of the Blue River, $100,000.

Drainage—Blytheville, Ark.—It is proposed to construct systems in Drainage District No. 16 and the Keystone Drainage District.

Levee—Helena, Ark.—It is planned to construct a 40-ft. levee through the Cotton Belt Levee District. N. E. Offenheiser is Ch. Engr.

Drainage—Pine Bluff, Ark.—A petition has been granted by the County Court for a Drainage District No. 5. The district lies three miles north of Wabbaseka and drains into District No. 3 and includes about 15,000 acres. White & Humphreys, Engr., has made surveys of this tract.

Fire Alarm System—Austin, Tex.—The City Council has decided to call an election for the purpose of voting on the issuance of $25,000 in bonds for an automatic fire alarm system. John O. Johnson is City Clk.

Skating Rink—Seattle, Wash.—The Seattle Ice Coliseum Co. has been incorporated in Seattle with a capital of $300,000, for the purpose of erecting an ice coliseum. J. P. Clemson, Portland, Ore., owner of the Portland Ice rinks is interested. The building will be 175x350 ft. and will have a portable floor, and a $50,000 refrigerating plant.

✚**Fill**—Seattle, Wash.—The contract for the construction of Duwamish Fill No. 3 has been awarded by the Board of Public Works to HOLT & JEFFREY, Railway Exchange Bldg., at $26,976.

Wharf and Building—Seattle, Wash.—Bids will be received by C. E. Remsberg, Secy., Port of Seattle Comn., until May 7, for the construction of the four-story store and office building and wharf at the foot of Marion St. The cost will be about $25,000.

✚**Boat**—Seattle, Wash.—The contract for a 65-ft. gasoline power passenger and towboat to operate in Bering Sea has been awarded to the McATEER SHIPBUILDING CO. The cost will be about $10,000.

✚**Ship Conveyors**—Seattle, Wash.—The following bids were received by the Port of Seattle Commission, Central Bldg., for furnishing ship conveyors for use at the port docks: BRINKLEY SUPPLY CO., $10,480 (awarded contract); Meese & Gottfried, $11,817; Puget Sound Machinery Depot, Seattle, $ 0,986; Union Machinery & Supply Co., Seattle, at $15,829.

✚**Concrete Snow Sheds**—Skykomish, Wash.—The contract for constructing the concrete snowshed, 1300 ft. in length, has been awarded by the Great Northern Ry. Co. to HENRY & McFEE, White Bldg. The estimated cost is $250,000.

Wharf—Tacoma, Wash.—It is reported that plans are being prepared for a municipal wharf to cost $105,000. W. C. Raleigh is City Engr.

Repairs To Drydock—Portland, Ore.—The Portland Drydock, according to a recent decision of the Commissioners, will be repaired at a cost of $40,000. J. B. Lockwood, Engr., is in charge.

Repairs To Dock—Portland, Ore.—Plans have been prepared by J. R. Holman, Ch. Engr., Oregon, Washington R.R. & Navigation Co., Portland, for the repairing of Ainsworth Dock. The estimated cost is $10,000.

Mausoleum—Long Beach, Calif.—Plans are being prepared for a large mausoleum to be built in Sunnyside Cemetry by the Long Beach Cemetery Association. It will be of granite, reinforced concrete and marble, 50x150-ft. and is estimated to cost $100,000.

Bulkhead—Newport Beach, Calif.—The Board of Trustees will receive competitive plans and specifications from engineers until May 10, for the construction of a bulkhead for the protection of the ocean front. L. S. Wilkinson is City Clk.

Pier—Redondo, Calif.—The citizens have voted in favor of erecting a pier extending from the end of the bath house to Emerald St. It will be 900 ft. long, of reinforced concrete. George W. Harding, Washington Bldg., Los Angeles, Calif., has been selected as Consult. Engr. The cost is estimated at $121,000. Noted Feb. 25 and Apr. 1.

Pier and Aërial Tramway—Venice, Calif.—An application has been made by the Abbott-Kinney Co., for the construction of a pier and aërial tramway. The plans provide for the construction of an extension, 100x150 ft., to the Windward Ave. pier.

✚**Drainage**—Greenfield, Ont.—The contract for the construction of the River Baudette drain has been awarded to the J. G. & D. B. CAMERON, Berwick, Ont., at $21,417. J. D. Cameron is Township Clk. Magwood & Stidwell, Cornwall, is Engr. Noted Apr. 1.

Concrete Walls—Ottawa, Ont.—The Department of Public Works has included $20,000 in this year's estimates for extensions to the concrete walls of the Rideau Canal adjoining the Government Driveway. R. C. Desrochers is Secy.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous"

✚**Boston, Mass.**—C. H. Blackall, Arch., 20 Beacon St., has prepared plans for the construction of four additional stories to the Colonial Theater Bldg. Construction work will begin about May 15.

✚**Boston, Mass.**—The contract for the construction of a ten-story office and bank building at Chauncey and Bedford St. has been awarded to GEORGE W. HARVEY CO., 201 Devonshire St., Boston. The estimated cost is $450,000.

Cambridge, Mass.—Edward B. McGirr, Arch., 6 Beacon St., Boston, has prepared plans for the construction of a 12-room school on Oxford and Sacramento St. Jere F. Downey is Supt. of Pub. Bldgs.

Chicopee, Mass.—Bids will be received until 7 p.m., May 8, by John C. Gray, Supt. of Bd. of Education for the construction of an addition to the high school. Noted Apr. 1.

Lawrence, Mass.—All bids received for the construction of the Central Grammar School have been rejected by the Board of Aldermen. It has been decided that the Public Property Department will construct the school under the supervision of Alderman Flanagan. Estimated cost, $250,000. Noted Feb. 4 and Apr. 1.

Springfield, Mass.—The New England Telephone Co. plans to construct an addition to its building on Worthington St. Work will not be started before the spring of 1916. H. S. Hyde is Vice-Pres.

Worcester, Mass.—Bids will be received until noon, May 5, by the Superintendent of Public Buildings for the construction of a three-story fireproof addition to the Cambridge St. School No. 2 O. C. S. Ziroli, 306 Main St., is Arch. and George C. Halcott is Supt. of Pub. Bldgs. Noted Mar. 11 and Apr. 8.

Worcester, Mass.—Plans are being prepared by George C. Halcott, Supt. of Pub. Bldgs., Room 35, City Hall, for the construction of an eight-room addition to the Midland St. School.

Worcester, Mass.—The date for receiving bids for the construction of an addition to the North High School has been extended from May 3 to May 6. George C. Halcolt, Supt. of Pub. Bldgs., Room 35, City Hall, will receive the bids. Estimated cost, $190,000. Noted Oct. 29, Jan. 21, Apr. 15 and 22.

Providence, R. I.—Work will be started about May 1 on the construction of a six-story theater and office building at Westminster, Chapel and Snow St. for B. F. Keith. The estimated cost is $400,000. G. Henri Desmond, Arch., 15 Beacon St., Boston, Mass., has prepared plans.

Providence, R. I.—Bids will soon be received for the construction of the Mt. Pleasant Ave. School and an assembly hall. Murphy, Hindle & Wright, 146 Westminster St., is Arch. Noted July 9 and Sept. 10.

Providence, R. I.—Emery Bros. has purchased a site at Washington, Aborn and Empire St. for the construction of a theater.

Hartford, Conn.—Isaac A. Allen, Arch., has prepared preliminary plans for the construction of a school for the First School District.

✚**Hartford, Conn.**—The contract for the construction of an addition to the Hartford Hospital has been awarded by the Building Committee to the JAMES H. GROZIER CO., Hartford, at $115,788. A. Raymond Ellis, Hartford, is Arch. Noted Aug. 27.

Alexandria Bay, N. Y.—Byron B. Taggert, Watertown, and associates, contemplate the construction of a hotel. Estimated cost, $1,500,000.

✚Beacon, N. Y.—JOHN THATCHER & SON, 60 Park Ave., Brooklyn, has been awarded the contract for the superstructure of the two-story 60x100-ft. passenger station for the New York Central R.R. The contract for the foundation was awarded to the CASPER RANGER CONSTRUCTION CO., 20 Broad St., Holyoke, Mass. Estimated cost, $75,000.

Beacon, N. Y.—Bids will be received until May 3 by the Board of Education, Union Free School District No. 8, for the construction of a high school on Fishkill Ave. Estimated cost, $48,000. Homer H. Stuart is Pres. Noted Jan. 14, Feb. 18, Mar. 18 and Apr. 8.

Buffalo, N. Y.—Green & Wicks, Arch., 110 Franklin St., is preparing plans for the construction of a group of buildings to be used as a tuberculosis hospital for the West Farm Hospital Commission. The estimated cost is $600,000.

Ithaca, N. Y.—Bids will be received until May 6 for the construction of two dormitory buildings at Cornell University. Day & Klauder, 925 Chestnut St., Philadelphia, Penn., is Arch. Noted Aug. 6 and Oct. 1.

New Rochelle, N. Y.—Hazzard & Erskine, Arch., 437 Fifth Ave., New York, has prepared plans for the construction of two five-story buildings at 745 and 747 Fifth Ave., New Rochelle, for William E. Iselin. Estimated cost, $100,000.

New Rochelle, N. Y.—The Board of Education is considering the construction of two additional wings to the high school. Estimated cost, $175,000.

New Rochelle, N. Y.—The Thanhouser Film Corporation, 46 Main St., plans to construct an additional studio at its plant. The estimated cost is $200,000. A. E. Jones is Secy.

✚New Rochelle, N. Y.—THOMAS J. WATERS CO., 271 West 125th St., New York, has been awarded the contract for the construction of a building at Mayflower Ave. and Mt. Joy Pl. for the Church of the Holy Family. Estimated cost, $50,000.

New York, N. Y.—(Borough of Bronx)—Bids will soon be received by the Department of Health, Walker & Center St., New York, for the construction of a three-story dormitory for females on North Brother Island. Clinton & Russell, 32 Nassau St., New York, is Arch.

✚New York, N. Y.—(Borough of Brooklyn)—The contract for the construction of a motion picture theater at Robinson St. and Nostrand Ave. for Glynne & Ward, Halsey St. and Knickerbocker Ave., has been awarded to McCOUGH & HOEY, 16 Court St., Brooklyn. Estimated cost, $50,000. Noted Apr. 22.

✚New York, N. Y.—(Borough of Manhattan)—The contract for the construction of two buildings on Wards Island for the State Hospital Commission has been awarded to the EMERSON BUILDING CO., 103 Park Ave., New York. The estimated cost is $260,000. Noted Dec. 10 and Feb. 25.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Peabody, Wilson & Brown, Arch., 389 Fifth Ave., for the construction of a 12-story, 48x88-ft. store and loft building at 15 West 36th St. for John I. Downey, 410 West 34th St. The estimated cost is $150,000.

New York, N. Y.—(Borough of Manhattan)—The Pennsylvania R.R. and the National Retail Dry Goods Association, 33 West 42d St., plan to construct a 20-story 197x200-ft. building opposite the Pennsylvania R.R. Station, Seventh Ave. between 32d and 33d St.

New York, N. Y.—(Borough of Manhattan)—Plans are being prepared for the construction of a 16-story building on the site of the Hotel Lincoln, Broadway and 52d St. The estimated cost will be $1,500,000. The building will be used exclusively by film and motion picture concerns. George F. Backer is interested.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received by the Board of Health, Department of Health, Center and Walker St., for the construction and alterations to the medical staff house and nurses' home at the Willard Parker Hospital, foot of East 16th St., New York, as follows: Cramp & Co., 25 East 26th St., $170,600; Conners Bros. Co., 64 West 88th St., $160,450; J. T. Brady & Co., 103 Park Ave., $157,510; Ruggles, Robinson Co., 331 Madison Ave., $170,472; Emerson Building Co., 103 Park Ave., $168,500; Kelly & Kelly, 12th St., Long Island City, $169,300; McHarg-Barton Co., 171 Madison Ave., $164,000; Harby Abroms & Melius, 30 East 42d St., $153,900. Noted Apr. 8.

Poughkeepsie, N. Y.—(Official)—Oscar Cassun, Chamberlain, advises us that at the election recently held the question of issuing $170,000 in bonds was defeated. The proceeds would have been used for the construction of a city hall. Noted Apr. 8.

Syracuse, N. Y.—The Board of Education plans to construct an addition to the North High School. Estimated cost, $175,000.

Syracuse, N. Y.—Bids will soon be received by the Vocational High School Commission for the construction of vocational high school buildings. Edwin Nottingham is Pres.

Utica, N. Y.—Bids will be received until May 15 by T. P. Barnett Co., Arch., 724 Central National Bank Bldg., St. Louis, Mo., for the construction of a four-story, 127x192-ft. addition to the Martin Hotel, Utica. Estimated cost, $250,000.

Utica, N. Y.—Contracts will be awarded about May 1 by H. Lux of the Alhambra Amusement Co., Alhambra Theater, for the construction of a theater. Estimated cost, $75,000. Noted Apr. 1.

Watertown, N. Y.—An election will be held May 4 to vote on the question of issuing $65,000 in bonds, the proceeds to be used for the construction of a school on Arsenal St. Noted Dec. 31.

✚Yonkers, N. Y.—The contract for the construction of a church at Park Hill Ave. and Oak Pl. for the Church of Our Lady of Mount Carmel has been awarded to the F. S. POLITO CONSTRUCTION CO., Yonkers. N. Serracino, 1170 Broadway, New York, is Arch.

✚Glen Ridge, N. J.—The contract for the construction of an addition to the school at Bloomfield and Ridgewood Ave. for the Board of Education has been awarded to WILLIAM G. SHARWELL & CO., 377 North Fifth St., Newark. Estimated cost, $60,000. Noted Dec. 31.

Hoboken, N. J.—Bids will be received until 2 p.m., May 3, by the Board of Commissioners of Hoboken for the alterations to the City Hall.

Newark, N. J.—The Finance Committee of the Common Council is considering the question of appropriating $50,000 or $60,000, the proceeds to be used for repairing the Center Market buildings.

Trenton, N. J.—The State Legislature is considering a bill providing for the appropriation of $5,000,000 in bonds. The proceeds will be used for improvements to state buildings.

West New York, N. J.—Plans have been approved for the construction of three four-story buildings at Hudson Ave. and 12th St. for Weisberg & Cadd, Hudson Ave. and 11th St. Estimated cost, $90,000. Noted Apr. 22.

Clearfield, Penn.—The citizens on Apr. 16 voted in favor of issuing $100,000 in bonds, the proceeds of which will be used for the construction of a high school.

✚Easton, Penn.—The contract for the construction of a one-story chapel at Lafayette College has been awarded to F. L. HOOVER & SONS, INC., 18 South Seventh St., Philadelphia. The estimated cost is $90,000. William S. Kirkpatrick is Pres. of the college. Noted Nov. 12.

Harrisburg, Penn.—Plans, prepared by Charles Howard Lloyd, Arch., for the construction of a school in the Tenth Ward, have been approved by the School Board. Estimated cost, $90,000. Noted Mar. 25.

Johnstown, Penn.—Plans have been prepared by J. T. Comes, Arch., Pittsburgh, for the construction of a school for St. John's Parish. The estimated cost is $45,000.

Lancaster, Penn.—The citizens have voted in favor of issuing $250,000 in bonds. The proceeds will be used for the construction of a high school for boys.

Lansdowne, Penn.—Bids will soon be received by the First Presbyterian Church for the construction of a 208x240-ft. church at Lansdowne and Greenwood Ave. The estimated cost is $75,000.

✚McKeesport, Penn.—(Official)—The contract for the construction of a two-story high school for the Board of Education has been awarded to the DAWSON CONSTRUCTION CO., May Bldg., Pittsburgh, at $147,000. W. T. Norton is Secy. of Bd. of School Dirs. Noted Mar. 11 and Apr. 8.

✚Philadelphia, Penn.—The contract for the construction of a five-story, 54x105-ft. hospital at Spruce opposite 36th St. for the University of Pennsylvania has been awarded to IRWIN & LEIGHTON, 126 North 12th St., Philadelphia. Estimated cost, $130,000.

Philadelphia, Penn.—Preliminary plans are being prepared by Simon & Bassett, Arch., 1112 Chestnut St., for the construction of a 12-story office building at 19th and Chestnut St. for the Philadelphia Medical Society.

Baltimore, Md.—Parker, Thomas & Rice, Arch., is preparing plans for the construction of a 12-story office building at Liberty and Lexington St. for the Colsolidated Gas, Electric Light & Power Co. Estimated cost, $1,000,000.

✚Baltimore, Md.—The contract for the construction of the five-story Burford apartment building on Charles St. has been awarded to EDWARD BRADY & SON, Baltimore. Estimated cost, $60,000. Parker, Thomas & Rice is Arch.

Washington, D. C.—St. Patrick's Church plans to construct an institution on Wisconsin Ave. at Massachusetts Ave. Heights. Estimated cost, $800,000.

Charleston, W. Va.—W. S. Mason plans to construct a three-story apartment house. The estimated cost is $50,000. A. G. Higginbotham is Arch.

Grafton, W. Va.—(Official)—Bids will be received until noon, May 5, by W. M. Watkins, Secy. of Bd. of Education, for the construction of a high school. The estimated cost is $80,000 to $85,000. Frank L. Packard, Columbus, Ohio, is Arch. Noted Apr. 22.

✚Huntington, W. Va.—GEORGE WATTS has been awarded the contract for the construction of the Fall Festival Bldg. Estimated cost, $50,000.

Huntington, W. Va.—The Fifth Ave. Baptist Church plans to construct a church at an estimated cost of $100,000. M. L. Woods is Pastor.

St. Marys, W. Va.—An election will be held May 11 to vote on the question of issuing $50,000 in bonds for the construction of a high school for Pleasants County.

Greensboro, N. C.—An election will be held about June 1 to vote on the question of issuing $150,000 in bonds. The proceeds will be used for the construction of a county courthouse. Noted Feb. 4.

Salisbury, N. C.—The Directors of Livingston College plan to rebuild the dormitory for girls which was recently destroyed by fire. Estimated cost, $50,000.

Columbia, S. C.—Urquhart & Johnson, Arch., is preparing plans for the construction of a high school. The estimated cost is $125,000. Noted Mar. 18.

Columbia, S. C.—Plans are being prepared by Wilson & Sompayrac, Arch., for the construction of an addition to the Logan School. Estimated cost, $40,000. Noted Mar. 18.

Columbia, S. C.—The School Board has commissioned George E. La Faye, Arch., to prepare plans for the construction of a school for negroes. Estimated cost, $50,000. Noted Mar. 18.

★Greenville, S. C.—Bids will be received until noon, May 10, by the Greenville County Jail Commission for the construction of a jail. J. T. Lawrence is Arch. and J. I. West is Chn. of Comn.

Hartsville, S. C.—The Directors of Coker College plan to construct a general service building. The estimated cost is $120,000.

✚Atlanta, Ga.—The contract for the construction of a three-story apartment at Piedmont Ave. and 14th St. for the

North Park Investment Co. has been awarded to the MACKLE CONSTRUCTION CO. Estimated cost, $50,000.

Bellaire, Ohio—Plans have been prepared by C. W. Gates, Arch., Wheeling, W. Va., for the construction of a three-story building at 32d and Union St. for the Farmers' & Merchants' National Bank. Estimated cost, $40,000.

✚**Cincinnati, Ohio**—The OHIO BUILDING & CONSTRUCTION CO., 1434 Main St., Cincinnati, at $120,097, has been awarded the contract for the construction of the Warsaw School on Glenway near Sunset Ave. Noted Mar. 25.

Cleveland, Ohio—Plans are being prepared by W. R. McCormack, Arch. of Bd. of Education, Rockwell and East Sixth St. for the construction of the High School of Commerce and Administration Bldg. The estimated cost is $1,000,000. Noted Mar. 25.

Etna, Ohio—Bids will be received until noon, May 18, by S. Parker, Clk., Bd. of Education, for the construction of a grade and high school building. F. S. Rusk and C. Sheets, 145 North High St., Columbus, are Arch.

Oxford, Ohio—Plans have been prepared by Louis G. Dittoe, Arch., 617 Provident Bank Bldg., Cincinnati, for the construction of a three-story, 91x231-ft. building to be known as the George G. Ogden Hall at the Miami University. Estimated cost, $260,000. Raymond M. Hughes is Pres.

Bloomington, Ind.—The Carnegie Library Board has purchased a site at Washington and Sixth St. for the construction of a library. Estimated cost, $40,000.

Whitestown, Ind.—Bids will be received by Walter Schooler, Trustee of the School Bd., until 1 p.m., May 15, for the construction of a high school.

Detroit, Mich.—The Detroit City Gas Co., Clifford St. and Washington Blvd., has purchased a site at Bagley Ave. and Clifford St. The company plans to construct an office building. Victor F. Dewey is Gen. Mgr.

Detroit, Mich.—The Delray Lodge, No. 177, Knights of Pythias, plans to build a three-story temple on Fort St., to cost $50,000. Varney & Varney, 307 Palmer Bldg., is Arch.

✚**Flint, Mich.**—The contract for the construction of the Fairview Grammar School has been awarded to BURKE, SMITH & NELSON, Flint. Estimated cost, $50,000. Noted Feb. 4.

Lansing, Mich.—The State House of Representatives has passed a bill appropriating $60,000 for rebuilding the main building at the Michigan School for the Blind.

Chicago, Ill.—Plans are being considered by the County Commissioners for the construction of a county jail. The estimated cost is $2,000,000. Noted Apr. 8.

Chicago, Ill.—Jones, Linick & Schaefer, 110 South State St., is having plans prepared for a motion-picture theater on State St., to cost $600,000. Marshall & Fox, 38 South Dearborn St., is Arch.

Chicago, Ill.—John Burnham & Co., 39 South La Salle St., contemplates the building of a motion-picture theater and restaurant on State St., estimated to cost $1,000,000. Holabird & Roche, 104 South Michigan Ave., is Arch.

Rock Island, Ill.—Plans have been prepared by C. D. McLane, Arch., 301 Robinson Bldg., for the construction of a three-story, 42x120-ft. jail. The estimated cost is $75,000. Contracts will be awarded about May 25. Noted Mar. 4.

Eau Claire, Wis.—The citizens voted in favor of issuing $50,000 in bonds, the proceeds of which will be used for the construction of a city hall. Noted Mar. 11.

✚**Green Bay, Wis.**—The Wisconsin Deaconess Hospital Association has awarded the following contracts for the construction of its $65,000 hospital: General contract, APPLETON CONSTRUCTION CO., Appleton, Wis.; heating, INDUSTRIAL HEATING CO., Milwaukee, Wis.; plumbing, GEORGE F. REEKE, Green Bay, Wis. P. T. Benton, 605 Manhattan Bldg., is Arch. Noted Mar. 4.

Green Bay, Wis.—Foeller & Schober, Arch., is preparing plans for a two-story, 50x100-ft. brick addition to the McCartney National Bank. The estimated cost is $75,000. Bids will be asked about May 10.

La Crosse, Wis.—(Official)—Bids will be opened about May 1 by Parkinson & Dockendorff, Arch., for the construction of a four-story, 45x46-ft., and a three-story, 41x48-ft. wing to the hospital of the Sisters of St. Francis. The estimated cost is $100,000. Noted Mar. 11 and 18.

Madison, Wis.—Plans have been prepared for the construction of an armory at Camp Randall. The estimated cost is $250,000. T. G. Wrightson, University of Wisconsin, is interested.

Milwaukee, Wis.—Bids will be received until 10:30 a.m., May 6, by the Department of Public Works for the construction of a municipal hospital for contagious diseases on Mitchell St., between 18th and 19th Ave. P. Braman is Deputy Comr. Noted Sept. 10.

Milwaukee, Wis.—Frank M. Harbach, Secy. of Bd. of School Dir., will receive bids until 8 p.m., May 11, for the completion of the Washington High School. The total cost is estimated at $325,000. Van Ryn & De Gelleke is Arch. Noted Feb. 11.

Milwaukee, Wis.—Armand D. Koch, Arch., Wells Bldg., will soon award the contract for the construction of a ten-story, 80x135-ft., steel and tile mercantile building for the Ticonic Investment Co. It is estimated to cost $250,000. Noted Nov. 5, 1914.

Waterloo, Iowa—The Forum Land & Improvement Co. was recently incorporated with a capital of $135,000. The company plans to construct a coliseum and exposition hall at 11th and Sycamore St. J. R. Sims is Secy.

Milaca, Minn.—Kirby T. Snyder, Arch., Plymouth Bldg., Minneapolis, has prepared plans for the construction of a high school at Milaca. The estimated cost is $70,000.

Milan, Minn.—Bids will be received by C. R. C. Blom, Clk. of the School Bd., until May 4 for the construction of a high school. C. E. Edwins, 911 Northwestern Bldg., Minneapolis, Minn., is Arch.

St. Paul, Minn.—The Legislature has passed a bill appropriating $500,000 for the construction of a building at Cedar and Central St. for the State Historical Society. The State Board of Control is in charge. C. H. Johnson, Capital Bank Bldg., is Arch. Noted Nov. 26.

Hastings, Neb.—(Official)—At a recent election the question of issuing $130,000 in bonds was defeated. The proceeds was to have been used for remodeling schools at Hastings. R. S. Ramsey is Secy. of Bd. of Education. Noted Apr. 15.

Lincoln, Neb.—Plans are being prepared by Berlinghoff & Davis, Arch., 610 Security Mutual Bldg., for remodeling a 15-story building at 12th and O St. for the Security Mutual Life Insurance Co. Estimated cost, $175,000.

Omaha, Neb.—The State Senate has passed a bill appropriating $150,000 for the construction of a hospital at the Omaha Medical College.

Havre, Mont.—Bonds to the amount of $125,000 have been sold. The proceeds will be used for the construction of a courthouse. Noted Dec. 31.

Lewistown, Mont.—Plans are being prepared by Link & Haire, Arch., Billings, for the construction of a church, to cost about $50,000.

Miles City, Mont.—Official)—Bids will be received until 2 p.m., May 11, for the construction of a school. Estimated cost, $60,000. J. B. Collins is Clk. of School District No. 1, Custer County. Noted Mar. 11.

Columbia, Mo.—The Columbia Hotel Operating Co. plans to construct a hotel at Columbia. Estimated cost, $120,000. George D. Barnett and Fred W. Schramm, St. Louis, are interested.

Rolla, Mo.—Bids will be received by the Board of Education until 8 p.m., May 1, for the construction of a high school. H. H. Hohenschild, 310 Navarre Bldg., St. Louis, Mo., is Arch. C. M. Knapp is Pres. of Bd. of Education.

Beaumont, Tex.—A site has been purchased on Forsythe St. by Jefferson Lodge No. 55, Knights of Pythias, for the construction of four-story, 60x90-ft. brick hall, to cost $40,000. Walter J. Crawford is Chn. Bldg. Com.

✚**Dallas, Tex.**—WALTON CONSTRUCTION CO. has been awarded the contract for the erection of a lodge building for Knights of Pythias of Texas, at an estimated cost of $73,600. W. Sydney Pittman is Arch.

Okmulgee, Okla.—(Official)—At the election recently held the question of issuing $150,000 in bonds for the construction of a county courthouse failed to carry. C. W. Gorce is County Clk. Noted Mar. 11.

Okmulgee, Okla.—(Official)—Bids will be received about May 15 for the construction of a high school. Smith, Rea & Lovitt, 602 Finance Bldg., Kansas City, Mo., is Arch. The estimated cost is $100,000. Noted Apr. 15.

Perry, Okla.—The citizens will vote May 18 on the question of issuing $100,000 in bonds, the proceeds to be used for the construction of a courthouse.

Denver, Colo.—(Official)—J. B. Benedict, Arch., has prepared plans for the construction of a three-story hospital with two 40x240-ft. wings. The estimated cost is $300,000. An election will be held May 18 to vote on the question of issuing bonds for this purpose. Noted Apr. 8.

Denver, Colo.—(Official)—An election will be held May 18 to vote on the question of issuing bonds for the construction of a municipal building to be used as fire and police headquarters. Walter L. Rice, City Hall, is Ch. of Bldg. Dept. and J. H. Mitchell is Secy. Noted Apr. 8.

Salt Lake City, Utah—(Official)—Bids will be received until May 5 by the Board of Education, for the construction of the first unit of the 26-room school at 13th E. and Seventh S. St. F. D. Rutherford is Arch. The estimated cost of the first unit is $82,000. Noted Apr. 8.

Port Townsend, Wash.—The Seattle, Port Angeles & Lake Crescent Railway Co. plans to construct terminals in Port Townsend. Estimated cost, $50,000. E. O. Reeder, Seattle, is Ch. Engr.

Grants Pass, Ore.—The date for receiving bids for the construction of a three-story courthouse has been extended to May 5 by the County Commissioners. Estimated cost, $100,000. E. E. McClaren, 525 Lumber Exchange Bldg., Portland, is Arch. Noted Mar. 4 and 25.

Portland, Ore.—Construction work will soon begin on the building at Fifth and Stark St. for the First National Bank and the Security Savings & Trust Bank. Estimated cost, $400,000. Noted July 30, Sept. 10 and Dec. 3.

✚**Portland, Ore.**—A. C. MEYER, Portland, has been awarded the contract for the construction of a four-story, 90x100-ft. building at Broadway and Davis St. for Gay Lombard. Estimated cost, $40,000.

The Dalles, Ore.—The Knights of Pythias are planning to construct a three-story building. Estimated cost, $50,000.

Los Angeles, Calif.—The Bellevue Hospital Corporation, recently incorporated, plans to build a hospital, to cost $60,000. G. T. Renaker is interested.

Oakland, Calif.—The trustees of the Second Church of Christ, Scientist, have awarded the contract for the construction of a church to the VAN-SANT-HOUGHTON CO., 503 Market St., San Francisco, at $63,000.

INDUSTRIAL NOTE

The Wyckoff Pipe & Creosoting Co., Inc., has removed its offices from 50 Church St. to the Forty-Second St. Bldg., 30 East 42d St., New York, N. Y.

New Engineering and Contracting Co.—John W. Cowper, for many years Vice-President of the Lackawanna Bridge Co., Buffalo, has resigned to take the Presidency of the John W. Cowper Co., Inc., recently organized, to do a general engineering and contracting business with offices in the Fidelity Bldg., Buffalo. F. D. Huntington, Vice-Pres., was for some years connected with the J. G. White Co., in its English contract department and more recently with the Brazil Rys. The new company will specialize in building contracts of all kinds.